1044b UIC - EAST POPLAR OIL FIELD ENFORCEMENT CASE SDWA 1431 Folder ID: 13643 2000 Privileged

Release in III

With the total to the state of the state of

East Poplar Oil Field
Enforcement Case

Region 8

LOCATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

COMPLETION REPORT

Company	TXO Product	ion Corp.		Lease	e Buc	kles 'B	11		Well No. 1
Address_2	705 Montana	Ave. Suit	e 300 Bi	llings, MT	Field	(or Area	East	Poplar	
The well is le	66	0 ft. from	N)	591 1980		(E)	e of Sec 2	2	
	; T. 28N						-		2106 XXXXXXX or G.L.)
Commenced	drilling A	ugust 11		, 19	81, Comp	oleted Oc	tober 19		, 19 81
The infof the well:	Tempor	arily Aban	doned	and correct re	ecord of	the well.	The summa	Least pa	ge is for the condition
	(oil well,	gas well, dry h	ole)	+	Title		ect Engine per 30, 19		i
		(denote of		RTANT ZON	NES OF			cnown)	
	2 to5						to		
	to								
	to						to		
T TOIL									
1				CASING	RECOR	D	1	Carles and	V Cut and
Size	Weight Per Ft.	Grade	Thread	Casing Se	t	From	To	Sacks of Cement	Cut and Pulled from
8-5/8"	24	K-55	ST&C	1146		Surf	1146'	760 585	None None
4-1/2"	10.5 & 11	.6 K-55	ST&C	5913		Suri	2912	303	Notie
				TUDING	PECOP	n	1		
				Drilaui	RECOR				_
	Tub	ing Pe	eight r Ft.	Grade	Thread	-	nount	Perforations	
	2-3	/8"	1.7	J-55	EUE 8	rd 5	735'	None	
Rotary tool	s were used f	rom Su	rface	COMPLETI	ON REC		591	31	•
Cable tools	were used from	n	-				to		
Total depth	5913	t.; Plugged b	ack to 51	835	_T.D.; C	pen hole	from		_to,
	PERFOR	ATIONS		i	A	CIDIZED, S	HOT, SAND FI	RACED, CEMEN	TED
	terval To	Numbe Size and	r and	From	erval To		Amount Material	of Used	Pressure
5806	5808	2 JSPF		5806	580	8	200 gal A		3100 to 1800 ps
		2 JSPF		5806 5802	580 580	8 Squ		85 sx cmt	2100 psi 800 psi
5802	5804	2 0511		30112	1 .100				- mm-part
W. U	duin from	Charles	11C11	INITIAL P			P&A show p	olugs above)	
	oducing from_		24		E			porarily a	handoned
I. P. 6		barrels of oil	per24	hc	- M. S. D.	mping or fi		porarry	Dandoned
TST	M	Mcf of gas pe	τ	hour	rs.	0.0			
6		rrels of water			OVER)	99	EIVE	W.C.	
							25 2000		00468

Office of Enforcement
Compliance & Environmental Justice

Initial 10-day average production Temporarily Abandoned (bbl./day) (if taken) Pressures (if measured): Tubing 200 psi flowing; 500 psi shut-in Casing 0 psi flowing; packer psi shut-in Gravity 39.6 API (corrected to 60° F.) DRILL STEM TESTS D.S.T. From To Tool Open (Min.) Shut-in F.P. S.I.P. Recovery Cushion

CORES

Interval

No.

Recovered	

LOG RUNS

Type	From	To
GR-DLL-MSFL		
GR-CNL-FDC-CAL		

FORMATION RECORD

From	To	SAMPLE AND CORE NO. AND DESCRIPTION	Top of Formation
7			
		÷	
	0.00	RECEIVED	
	1 in	FEB 2.5 2000. Office of Enforcement	000469

Compliance & Environmental

	DEPTH	59	DAY. OPEI	RATOR_	8-2 / T uck/	s Ves	'B'	j	00 N		
MUD:	FORMAT	TION:	Cha	r/es	ET DRILL	ED IN	LAST TV	WENTY-F	OUR HO	URS.	,
					LCM						
BIT . NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZ	ES	NEW/ USED	FROM	- TO	FEET	HOURS
5										30	2
SURV REMA	EYS: DE	9/3 2 ¢ C	NGLE JO 2 1/2 MSFL	DEPTH hr:	ANC	RESSA GLE	RIU MU WA	PUMP	"X		
	05'-	\	197		C \$ C		CE RE	NTALS_	S (rea 8 w		1110
		FL	B 2 5 200 of Enforcements & Environ Justice	ng				Spr			3766
								ILY TOTA			342 258

			DATE		8-24	-81			1.0
			DAY.		11				
			OPE	RATOR	TXO				
					uckles				
	DEPTH.	591	3	OPERATI	ONS REPORT	TIME	RDRT		
			0	FE	ET DRILLED	IN LAST TI	WENTY-FOUR HO	OURS.	
	FORMAT	ION:	Char	105					
MUD:	WT :	VIS	· WL		FC ·P	н	SOLIDS	CL P	V
,,,,,									
	YP	GELS	; OIL	;	, LCM;				
BIT ·	SERIAL	SIZE	MAKE	TYPE	JET SIZES	NEW/	FROM - TO	FEET	HOURS
NO.	NO.					USED			- 14
				-					
SURV	EYS: DE	PTH I A	NGLE	DEPTH		SURE	PUMP"X		PM
				00111	ATTOLI	7		CEIVE	2000
	141; 85	412" 16	2.5# & 11.	6 # 65	5_	RI		3 2 5 2000	**000
REMA	RKS:_R	an	19 11	5.4%	1. 6 # K-	55	Office of	of Enforce	
SI	\$C 8	and	专 /	22 5	t= 41/2		out ibution	u & Environment Justice	ntai
10	2.5	- K-	55 5	TRO	C Brd	45. LO	GGING		
Se	+ (a)	591	3 m	FC	Q 584	TE	STING		
- 1	- A		233	98	(mt)	CE CE	MENTING	2	0,757
DEM	07 0	11H	0 80	770	G my	RE RE	NTALS_		7.5
10	13 5	207	D-11	10 11	+ 2 n	J O MA	TERIALS (CSG)	(n)	
tone	3,0	40	21-5	0	105 125	= 5.	y V		200
3	- 7	1. 1.	700	0/	10% D-1	08	59	7	3000
0	2%	D-41	1 Ja	led	in ww	/		0005	::6
12:	5 5X 5	Cla	15	511	M 10 %	D-44 DA	ILY TOTAL	7	0032
0.0	500 1	7-60	星11/2-	#/8/	J-51.	Had CL	JMULATIVE	29	2,377

			DATE		9-1-	21				
			DAY.							
			OPE	RATOR_	TXO	PG				
					Buckle					
	DEDTH				,			Andg. oa	A Cerry	X
	DEFIN.									
								WENTY-FOUR HO	JUR5.	
	FORMAT	TION:								
MUD:	WT;	VIS	; WL		,FC	_;PH	<u> </u>	SOLIDS	;CL;F	·v
	YP	GELS	; OIL	;	LCM	_;				
BIT .	SERIAL	SIZE	MAKE	TYPE	JET SIZE	s 1	NEW/	FROM - TO	FEET	Hours
NO.	NO.	3122	IVIAINE	11172	JE1 312E		SED	PROM 10	7661	HOURS
						_				-
						-			+	
SURV	EYS: DE	EPTH A	NGLE	DEPTH			_	_PUMP"X		PM
			677	0-115	1.			G330		
REMA	RKS: 7	ains	1 cent	dr	lliot			UD ATER		_
-	21. 18	2	. Drit	les +1	reuch.			TS		14
D	V too	<u>{</u>					1	OGGING		
		_					Т	ESTING		
							CE	MENTING		
_			-				RE	ENTALS 3	11	
_								ATERIALS (csg & v		
-	-	REC	EIVE	_				Juger	200	
				,						
_		Office of F	nforcement							
-	Ge	surbustion 9	Environment tice	itai			D/	AILY TOTAL \$	3,8 0 000	1525
							CI	UMULATIVE \$33	1,305	

					9-2-8	1			
			OPE	RATOR_	TX		,		
	DEPTH.		5'	OPERATI	ONS REPORT	TIME		NIBS	
	FORMAT				- ONICLED II	· ·	WENT FOOK THE	———	
							SOLIDS;		
					,			,	1:
NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	Hours
SURV	RKS: I	Priller	ANGLE	DEPTH C+ cut	2 PUMP PRESS	RI MU W/S BI LC CE	DAILY OF THE PUMP TO THE PUMP	COSTS O d wh)	
		Offic	CFIVE PARTIES OF Enteron Austica			- A	ALLY TOTAL #	707600	
		Complia	nce & Enviro	ninienta/		DA CU	MILY TOTAL # -	107600	105

DATE 8-27-81 WELL NAME Burke	e BHI	OPERATOR	TYAFG
DRILLING COMPLETIC	ONS OPE	RATI. IS	
8-39-81- WOCR			
8-30-21=T I H w/ hil + pers	. /		
C-30-G=1 I A wy www + person	agen.		
8-31-81 = SDFWS			
	Daily,	Grate	
	= 0	H +57	753
		Wellerd	8,000
		Pipe	,
		Bartala	900
	5	Jouking	1,170
		Ria Bita	1,000
		Bito	738,128
			138,128
	Calle	- 4	330,505
	CWO		050,505
			7.
		4.50	
Drom			
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Compliance & Environment			
Justice			

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DATE 9-3-81 WELL NAME BUCKLES "B" # 1 OPERATOR TXO
DRILLING COMPLETIONS Y OPERAT, NS
Cere plus fluid, TOOH, Pick up Vann 35/8" perf gun and Baker model
"R" pler on 188 its 218 the. Kan in hole wy trools + nan GR-CCL log to
correlate setting depth. Set place 5745 w/ 18,000 tomps. Installal
wellheal. Dropped firing bon to perf cig w/ Vanon gan @ 5806-08' w/
4 JSPF, Mr flow into well, Fished fining bon w/ WL and released
Vann gun. Btm OF tailpipe @ 5788', Baker profile SNC 5711'. SDFN
(& ac well dide for bottom bale assembly details.)
(see well file for bottomhole assembly details.)
DWC =
ng 2640
per 5424
logs 4345
wielne 1200
packers 2500
nental 500
Aupr. 200
7 16,809
CWC = \$358,190
mariable finises
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FEB 2.5 2000
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Compliance & Environmental

DATE 9-4-81	_ WELL NAME Buchles	B" # OPERATOR_	TXO-PR
	DRILLING COMPLETION	S_X OPERATIOS	
RU Western broke to 180 Flower aci	and acidezed perfor w/ . 00 th doc nate to 1/2 BPN d with to pit, turned 0/64" ch @ 225 th FTP.	200 gal 15% Apraul 1 C 500#, ISIP.	ed acid, BDP= 3100# - 300#, 27 BLTR k, flowing 1/2"
stream on	0/64" ch @ 225# FTP.	Fest flowing ov	ernight.
		=1	
			J
		D	WC = \$ 5705
			,
			Ny 725
			acid 1660
-			wt 120
			lupor 200
		mise (rig, we, now	tabante 3000
		. \	5705
241,213			
246,918			
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DAT,E	WELL NAME BUCKES "B" #1 OPERATOR DRILLING COMPLETIONS_X OPERATION	
9-5-81	Choke plugged, SITP = 500 psi, cles flowing at 375 - 400 psi w/ 12/64 "ch, emulsion in water. Left flowing overs	ned out choke, trace oil w/ heavy right, who played
9-6-81	Chobe plugged, shut well in. Fluid rec in 2 days intermittent flow	ing = 7 Bo + 18 BW.
9-7-81	SI	
9-8-81	SI	
T.		
	RECEIVED	
	Compliance & Engineerment	•
	Compliance & Environmental Justice	000000

DATE 9-9-81	WELL NAME BUCK	ES "B" #1	OPERATOR_T	×0	
0	DRILLING COMPLE	TIONS OPERA	NOITA		
Opened: flower 1 25 BF a	to flour @ 3:00 1/2 hus to tank, t 210 psi FTP on	pm 9-8-81, flow temp 19/64" ch.,	initial fle increased to continue to	ow temp	= 67°F rec overnight
			*		
	3	[A]			
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- 47					
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DATE 9-10-81 WELL NAME BUCKIES"B"#1 OPERATOR TXO
DRILLING COMPLETIONS_X OPERATION
Flowed 18 BD + 242 BW in 15 lux on 19/64" ck at 350pii FTP.
wellhed temps = 110°F, 10 min SITP = 600 pii, Openal on 12/64 "ch
Flowed 18 BD + 242 BW in 15 fres on 19/64" ck at 350pi FTP, wellhead temps = 110°F, 10 min SITP = 600 pii, Opened on 12/64" ch at 425 psi FTP, wellhead temp = 113°F, continue flowing.
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Office of Enforcement Compilance & Environmental 0000008
Juegos

DATE 9-11 WELL NAME Buckles "B" #1 DRILLING COMPLETIONS_X OPE	OPERATORRATIO!
Flowed 7 80 + 210 8W in 24 hrs on flowing wellhead temp dee to 95°F. Wa	12/64" ch w/ 425 poi FTP, eter analysis indicates channeling
= .4.2	
RECEIVED	
Office of Enforcement Compliance & Environmentar	000537

DATE Y-12-8/ WELL NAME Buckles R	OPERATOR	0
DRILLING COMPLETIONS_ C	PERATION	*.
	1	
P.M. C. A. White Wireli plip to 3,000 m/3/s" the Retrieves Opened well to flow a	no grat a	p/4-
all we to good wipple a 5716	1. TOOK of	Release pkr +
2000 33/s than Retrieves	1 wineling	2/490
Opened well to flow a	on 12/64"	X SDON
	-	
	Waline	10.04
	Mertene	1900
	Kig	1455
	Supr	200
	Rental	- 200
		3855
*		
C.WC: 250,773		
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£2		
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DRILLING COMPLETIONS_ OPERATION	٠.
Well 12 hrs. R. M. Gear hast & ran tenig. logs. R. M. Hallihuston & pu 10 hbls Fresh wtr. 20 bbls Tem- 10 hbls Fresh wtr. & Displaced heavy solt with. Initial pump in pressure I BPM@ Displaced @ 21/2 BPM@ 10005#. hole wy heavy salt wither. Sp	block \$0 \$
Ken	2040
Sidy ?	200
Rentalo	300
let.	.530
Wishling	3860
Punysing	2770
	9/200.
5 - 5 - 4 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	
- CWC: \$ 260, 373	
	- 1
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Compliance & Environmental	
Justina .	000535

DATE 9-13-81 WELL NAME Buckby "R"#1 OPERATOR TXO

DATE 9-14-8) WELL NAME BUCKIES B 1 OPERATOR DRILLING COMPLETIONS OPERATION	
TODA wy they	ep. to
· · · · · · · · · · · · · · · · · ·	
FEB 2.5. 2000 Office of Enforcement Compilance & Environmental	
Justica	000534

SITP = 50 pti, Pulled they o plus from 3800' to 900' with well flown SD to set we they plus, SITP inc from 100 per to 220 per in 22 hos but they plus in F whole, Ran they o plus to 4280', Prep to circ each with the hell well. Duic = \$3975 The set we they are the total well. Duic = \$3975 (Cuic #264, 348)	DATE 1-15-81 WELL NAME Buckeles B 1 OPERATOR TXO
Duic= \$ 3975 Crig 1425 W 2000 Wth 500 Texted 50 3975 (CWC: \$\frac{7}{264}, 348) RECEIVED FED 2 \(\frac{200}{2000} \)	DRILLING COMPLETIONS_ OPERATION
Duic= \$ 3975 Crig 1425 W 2000 Wth 500 Texted 50 3975 (CWC: \$\frac{7}{264}, 348) RECEIVED FED 2 \(\frac{200}{2000} \)	
ECEIVED FEB 2* 2600 Part 1425 What soo 14425 14425 What soo 14425	SITP = 50 poi, Rulled tog & plus from 3800' to 800' with well flow SD to set WL tog plug, SITP inc from 100 poi to 220 poi in 2'2h let tog plug in F" nyple, Ran tog & plus to 4280', Prep to circ salt with to kill well.
ECEIVED FEB 2* 2600 Part 1425 What soo 14425 14425 What soo 14425	
ECEIVED FEB 2* 2600 Part 1425 What soo 14425 14425 What soo 14425	Div = \$ 7000
ECEIVED FEB 2 * 2000 What soo 3975 RECEIVED	DWC-13773
ECEIVED FEB 2 * 2000 What soo 3975 RECEIVED	C 132 71425
(CN/C: #264, 348) RECEIVED FEB 2 * 2000	\. ()
(CWC: "264, 348) RECEIVED FEB 2* 2000	off.
(CWC: 7264, 348) RECEIVED FEB 2 # 2000	
(CWC: #264, 348) RECEIVED FEB 2 # 2000	Nental So
RECEIVED FE8 2 × 2000	3475
RECEIVED FE8 2 × 2000	
RECEIVED FEB 2 N 2000	(CNIC: "264, 348)
RECEIVED FEB 2 N 2000	
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Office of Enforcement 0000033	FEB 2 5 2000
A LAND TO A POLICE OF THE PARTY	Office of Enforcement 000:373
Justice -	Compliance & Environmental 0000333

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DATE 9-16-81 WELL NAME Buckles B" #1 OPERATOR TXO
DRILLING COMPLETIONS_X_OPERATION
SITP = 75 poi, pulled they + pkr, TIH w/ overalist + rec Vann perf gun, well flowing during trip @ est 150-180°F, oil cut me from 1% to 10% at end of day, no gruge on flow, SDFN.
perf gun, well flowing during trip @ est 150-180°F, oil cut ine
from 1 % to 10 % at end of day, no gruge on flow, SDFN.
Well-Pro Kental rental 600
Dwc = \$310,0
(CWC: "267,448)
· · · · · · · · · · · · · · · · · · ·

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000312

DRILLING COMPLETIONS C	OPERATION	34
SITA HOD DEL Bleve down je	MASS, TOOK,	ex tag.
R. H. Gearhart Wireline & ran	a CBI-GR from	m 5830' to
4285' (cmt top), Log should	good hand.	5000 - T.D.
partial bond 4700'-5000	5 poor	oond
above 4700'. TIH my	1 it 23/8" +	91/10100
Baker Model "x-3" sngl - "	p pkr liz	23/5"+6-
1.87" J.D. "F" n.pple; g	23/2" + 6 = 5	at talking
	- ZIFO	2/2 (2)
95766 wy pkr (25)33	The Hope of the	2000
1777	-	0
N. M. well head & ope		
tenks on 28/64"ck@ 8:00	p.m. 9-16-1	
C	osts:	
	Ris	2102
	Wireline	4585
	Sugar	200
	Rentals	100
	Baker Pkr	500
		\$ 7487
(CWC: 271, 835)		
Tank GARSE 4'2" @	E'DD = 22 9.	11.81
Tank Ghaze 4'2" @	3.02	4 - 0 /
	+-	
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FEB 2.5 2000		
Office of Enforcement Compliance & Environmental		
Compliance & Environment		3000
		000511

DATE 9-17-81 WELL NAME Buckles B=1 OPERATOR TXD

DATE 9-18-81 WELL NAME Buckler B" # 1 OPERATOR	TXO
DRILLINGCOMPLETIONSOPERATION	
Flowed well on 16/64" ch, FTP = 280 pin,	tested 22 BFPH
w/ 2 1/2 % oil cut.	
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DAT,E V	VELL NAMF						
9-19-81	Flowed FTP 32	. 340 E	BF in	21h	۸,	no oil,	13/16°ch,
9-20-81	Flowed	450 BF	w/	10 Bo	in	24 hrs.	, 16/64 °ch
9-21-81	Flowed	460 BF	w/	11 80	in	24 ha.,	16/64" ch
•						1	
					-		
						- 4	
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¥	Office of Enforcer Compliance & Enviror Justice	00 nent				000	509

DATE 9-22-81 WELL NAME Buckles B 1 OPERATOR	TXO
DRILLING COMPLETIONS OPERATIONS	
	,
Rig up NL well service, release + pull the + per coment returner, SDFN	er, prepare to run
ament returner, SDFN	
*	
and a second sec	227
	- iv
d-	
*	
4	
3	
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mena of Enfaronment	
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SICP = 430 psi, Ran Hower cement 5645', Rig up Hellibration, letel note of W/ 100 SX (l "G" W/ .8% FLA @ 12 B stung out of retourer, reverse circ ttg, SO DWC = 99	FK.
4	
4	
1	1001
(CINC: # 281 081)	cement \$5224
	pler.
	truck 290
	rest 50
	super 200
	77/28
. 40	
· · · · · · · · · · · · · · · · · · ·	
	Mon.
	via 1518
	rent 100
	Stor 200
	\$ 1818
	, , , , ,
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Compliance & Environmental Justice	200-00
· annua	000507

	. 0	1 ^
Stung into retainer, presented to 13 TIH W/ 3 %" bit + scraper.	ioo psi, he	ld ok, TOOH w/ >
12 pt w/ 010 was recognice.		
	D	wc = *2,704
	-	,
	Nin=	2324
	rept -	
	V	80
	Supr.	200
		2704
cuc: \$283,785		
CWC. 283, 185		
		
Dro-		
FEB 2 × 2000		
FEB 2 5 2000		
Coma" Enforcement		
Justice & Environmental		
Office of Enforcement Compliance & Environmental Justice		000506

DRILLING COMPLETIONS	S_X OPERATION
Drilled out cut retainer @ 560 out cut.	45', hit top cont @ 5650', drilling
	DINC = \$3371
	rig \$3071
283,785	rental 100
287,156	Super. 200 \$3371
	· · · · · · · · · · · · · · · · · · ·
RECEIVED	
FEB 2 5 2000	
Compliance & Environmental Justice	
	000505

DATE WELL NAME BUCKLES B" #1 OPERATOR TXO
DRILLING COMPLETIONS_X_OPERATION
9-26-81 Drilled out cont to PBTD 5840', presound cag to
1600" of bled off mamediately, prep to squeeze again.
R; 12487
- 287, 156 ht 225
30/2 sufv. 200 CWC: 5=7324 DWC = \$30/2
$CWC: \frac{5+7+32+7}{9}$ $DWC = \frac{4}{3012}$
. 210,182
9-27-81 TIH w/ Model "R' phr, set @ 5675' w/ TP @ 57.05', Rig
up Western, squeezed w/ 50 sx Class G" cont v/ 0.2 % WR-6.
0.5% CF-6, pumpel @ 1/2 BPM + 2000 pic, lec to 3/4 BPM + 1500 ps
· displaced to perfa + squeezed off w/ 2100 pic, attempted to
reverse out cont w/o success, presented they to 4000 pri +
held, pulled plan up to 1200', re-presented they to 4000 pin and
cleared cut from thy., TOOH, SDFN
· V
Ng \$3054
ent 2609
CWC \$ 296, 47! Truck 290
next 150
Dupr. 200
DWC = \$6303
9-28-81 SDFWE
. 0
120
· .
000504

DATE 9-29-81 WELL NAMF Buckles "B		
DRILLING COMPLETIONS_	OPERATION	_
TIH W bit + scraper, drill out con	t strugers from	~ 600' to 5700'.
		*
		ng \$3300
	re	nt, 100
1	DWC =	\$ 3600
		·
(cwc: \$300,071)		
_*		
	•	
	+	
. \		
1		
RECEIVED	•	
FEB 2 5 2000		
Compliance & Environmental Justice		000503

DATE 9-30-81 WELL NAME BUCKIES B" # 1 OPERATOR TXO DRILLING COMPLETIONS OPERATION.
Drillel out cont to PBTD, perfe clear of cont, Rom Mod"R" plan to 5675', TP @ 5705', fareegod perfe w/ 35 5x Class "G" w/ .4% WR-6. 16 % CF-6 of 35% silvin flow, pumped in @ V2 BPM w/ 1500 psi, pumped in Tages and squeezed @ 2100 psi. Pullel plan. SDFM.
nig \$3052 oth 210 nent 100
Augr 200 \$ 3562
300 07/ 3562 . 303 633
*
FEB 2.5 2000 Office of Enforcement Compliance & Forcement
Compliance & Environmental Justice 000502

DATE 10-1-81 WELL NAME BUCKLES B #1	OPERATOR
DRILLING COMPLETIONS_X_ OPE	ERATION
1):00.0 out out b 570' to 5820'	Dungo into south
Dilled out cut from 5786 to 5820.	tamper into perfo
W F BPM W/ 1100 ALC. SOFN	
	rig \$3024
	AUAN. 200
D	restel 100 UC = \$3324
(*306, 957)	
	+
RECEIVED	
FEB 2.5. 2000	
Office of Enter	
Gompliance & Environmental Justice	000501

DATE 10-2-81 WELL NAME Buckles B #1 OPERATOR TXO
DRILLING COMPLETIONS OPERATIONS
Pulled bit & scraper, Rig up Genhart, perfel @ 5002-04' W/ 2 JSPF total 9 slotin W/ 3/8 HSc gun, Ren 2 1/8" ttg W/ Model "R" phr set @ 5735', / Opened well to flour @ 3:30pm, FTP = 260 pai W/
phr set @ 5735', / Opened well to flow @ 3:30pm, FTP = 260 pai w/
W/ TP & 5766'
ng 12216
rent 100
perf 1726
DWC = \$4242
(CWC: \$307, 875)
startly rate \$1679.
rental 100
91779
spening gauge 9" fluid
- July Charles
·
1.
000500
·····

/ T,E	WELL NAME Burkles "B" # 1 OPERATOR 7XO	_
	DRILLING COMPLETIONS_X_ OPERATION	
10-3-81	Choke plugged, TP = 390 psi, cleaned out choke, left flowing on 12/164" W/ FTP = 50 psi, flowed 30 bbls lowater in 8 hrs.	ol_
10-4-81	Flowed 258F w/ no oil in 8 hrs., 12/64" ch, FTP 15	<u>ор</u> я
10-5-81	Flowed 25 BF in 22 hrs w/ oil specks, 17/641 ch, FTP 2 Prepare to critique DWC = 3000 (rig starley)	10 ре
	(cwc \$ 310, 875)	
		=
		_
~		_
		_
1		
11	RECEIVED	
	FEB 2 5 2000	
	Office of Enforcement Compliance & Environmental	_
	Justice 000499	

E 10-6-81 WELL NAME BUCKLER B TI OPERATOR TXO
DRILLING COMPLETIONS_X OPERATIONS
Deidinel perfe w/ 200 gol 15% spearhead acid, ATP = 800 psi @ 1 88 ISIP = 750 psi, flawed on open ch @ 120 psi, left flowing overnight on 12/64 ch., Chake plugged during night, SITP = 300 psi this AM, prep to acidize w/ diverting agent.
DWC = \$3074
CWC: \$313,949
4
RECEIVED
FEB 2.5 2000 Office of Enforcement
Compliance & Environmental Justice 000198

1	: 10-7-81 WELL NAME Buckles "B" #1 OPERATOR TXO
	DRILLING COMPLETIONS_X_ OPERATIONS
<i></i>	Rig up Western, estab. rate 3 BPM @ 1300 pei, pumped 250 gal diverting agent of 40# gel w/ 300# benjoic orid flakes + 9 ball sealers, followed w/ 500 gal 15% spearheal arid, BDP = 2300 psi, ATP = 1500 pri @ 1.6 BPM; ISIP = 650 psi. 73 BLWTR, Startel flowing back on 12/64" ch w/ 290 psi FTP.
- America	240 ail 2808 wh 120
	JWC = \$3368
	CWC \$317, 317
	FEB 2 5 2000 Office of Enforcement
	Office of Enforcement Compliance & Environmental Justice
	Justice 000397

DATE 10-8-81 WELL NAME Buckles "B" # 1 OPERATOR TXO
DRILLING COMPLETIONS_X_OPERATION
Flower 40 bbks LW in 3 hrs, opened to 16/64" ch, well died during night, SITP = 0 opened wellhead and blew out solid plug of diverting material, well flowing on 16/64" ch, FTP = 300 paid rec BF in the
night, SITP = 0, opened wellhead and blew out solid plug of diverting
material, well flowing on 16/64" ch, FTP = 300 pii rec BF in h
Zoil.
(a) 411

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· y =
RECEIVED
FEB 2.5 2000 Office of Enforcement
Compliance & Environmental

1 :E 10-9-81 WELL NAME Buckles "8" # 1 0	PERATOR TXO
DRILLING COMPLETIONS_X_ OPERA	TION
TA 0	_
Flower 216 SF in 18 hrs w/ 5% oil	cut, FTP = 350 pai on
16/64 ch, fluid warming up.	
	,
	The state of the s
	-
RECEIVED	
FEB 2.5 2000 Office of Enforcement	
Compliance & Environmental	
Justice	000495

DATE 10-10-81 WELL NAME Buckles "8" #1 OPERATOR T	×o
DRILLING COMPLETIONS OPERATION	
Jn 6.11. 0.11. m	310
Flowel 430 BF in 24 hr w/ 5% oil out, FTP	= 300 Ai m 16/64"
James 130 Dr m 24 me wy 5 & ou war, 1 ir	- sooph on road
10-11-81 11 f+ 1 BF TP 310	CSQ 310
	(Sg 310
A	
10-12-81 17 ft 9 = "BI TP 310	CSQ 310
12% oil cut.	16/24
the party.	- C7
intental Florest 2000 - 2000 Al	n Ruz
10/10/81 Flowed 2080; 10/64"ck.	o on in
21 113	
10/11/81 Flowed 3 BD, 107 BW in 24 hrs.	FTP
310 psi, 16/44"ck.	
10/12/81 Flower SBO, 350 BW in 29 hrs +	TP 310 psi,
16/49°ck.	
RECEIVED	
FEB 2.5. 2000	
Office of Enforcement	
Gompliance & Environmental Justice	000101
	000494

DATE 10-13-81 WELL NAME Bucklos B #1 DRILLING COMPLETIONS X OPER	OPERATORATION
Flowed 5 BO + 300 #	445 BW in 18/64" ck.
	Ť.
RECEIVED	
FEB 2 5 2000 Office of Enforcement Compliance & Environmental Justice	000493

DATE 10-15-81 WELL NAME Buckles & #1 OPERATOR TXO DRILLING COMPLETIONS OPERATIONS
report for 10-14-81: Flowed 3 Bo + 100 Bw in 24 hrs on 12/64"ch,
report for 10-15-81: Altered 43 BF in 24 hrs w/ten-o
RECEIVED FEB 2 5 2000
Office of Enforcement Compliance & Environmental Justica 003492

DATE WELL NAME Burkles "B" #1 OPERATOR TXO	_
DRILLINGCOMPLETIONS_X_OPERATION	
TO A == 22/ 1/ A	
10-17-81 Flowed 5 80+ 483 BW in 24 hrs on 22/64" ch W/	
FTP = 210 par	
10 10 0 1 D 1 D 1 23/11 1	
10-18-81 Flowed 6 BO & 646 8w in 24 hr. on 23/64" ch w/	
FTP = 210 psi	_
10-19-81 Flowed 6 Bo + 622 BW in 24 los on 23/64" ch w	-
FTP = 200 più	
- FIF = 200 AM	
Total Control of the	
12-20-81 Shut in la corduction. Door has sent with but	2.
10-20-81 Shut in for evaluation. Drop from report until furth activity.	-
•	
· ·	
Page and the second sec	
RECEIVED	
FED 2 15 2000	_
Compliance & Environmental	
Justice 000/490	

AT,E_	W	VELL NAME BUCK	185 F.	_/ OPERATOR	176
	DRI	LLING COMPLET	TIONSO	PERATION	
	Flowed	30 BF	in	24 hrs	w/no nil
	FTP =	380 psi 1	2/64"	ck,	,
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	I	RECEIVE	ED		
		FEB 2 F 211	10		
_		Office of Enforcem	ent		
	¢	Compliance & Environ Justice	mentai		
					000491

8-11-81 Buckles "B" #1

Rig slut down for noutine maintenance, will spud 8-12-81.

8-11-81 State C" #1 SI to shoot FL

DAILY DRILLING REPORT

			DATE	<u> </u>	8-12-81					
			DAY_		1					••
			OPF	RATOR	TXO					
					Buckles "B"				_	
		9. 0					. 00 -	1 ,		
	DEPTH.				NS REPORT		v		<u></u>	
	·	860	<u>, ' </u>	FE	ET DRILLED IN	LAST TV	VENTY-F	OUR HOU	RS.	
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	SERIAL	SIZE	MAKE	TYPE	JET SIZES	NEW/	FROM	- TO	FEET	Hours
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i v	EYS: DE		NGLE	DEPTH	ANGLE	-	7	DAILY CO		
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	<u> </u>		· .	• • • •		-	·			7.200
	RKS:				M ~ 8.11.81		ID			7,200°
<u>I</u>	ill de	12 1/4 1				1	UD ATER			7,200 2000 1000
		1 F 7 A	vell to	860',	tup for bit	L w	ATER			2000
		1 <u>+ -</u> 7 - &	agle to	860',		L W	ATER TS			2000
			well to	860',		L W/ - BI - LC	ATER TS DGGING ESTING_			2000
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			vell to	860',		William	ATER TS DGGING ESTING_ EMENTIN ENTALS_	G		2000
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			~!! To	860',		L W/ BI LC TI CE RE	ATER TS DGGING ESTING_ EMENTIN ENTALS_ ATERIAL	G S (csg & w		200
				860',		L W/ BI LC TI CE RE	ATER TS DGGING ESTING_ EMENTIN ENTALS_ ATERIAL	G S (csg & w		200
				860',		L W/ B1 - LC - T1 - CE - R6 - M	ATER TS DGGING ESTING_ EMENTIN ENTALS_ ATERIAL	GS (csg & w	h)	200
				860',		W/ B1	ATER TS DGGING_ ESTING_ EMENTIN ENTALS_ ATERIAL	GS (csg & w	h)	200

PAIL UNILLING REPORT

			DATE		8-13-	8/				•
			Day_		2					
					TXC	•				•
					ucksis		· · · · · · · · · · · · · · · · · · ·			
	DEPTH.	1,20	6 0	PERATIO	ONS REPORT	TIME	Wo	? 		
	· 			FE	ET DRILLED IN	LAST	TWENTY-F	OUR HO	URS.	
	FORMAT	: 								
MUD:	wt ·	VIS	· Wi		FC;PH		· SOLIDS		CI	v
1100										
	YP:	GELS	; OIL.	 ;	LCM;_	·				
IIT	SERIAL	SIZE	MAKE	TYPE	JET SIZES	NEW	/ FROM	- TO	FEET	HOURS
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	<u> </u>								 	
		<u> </u>				 				ļ
CHEN	てくて・しい	EDTHIA	NGI E	DEPTH	ANGLE	-		DALLY	nete	
SURV	EYS: DE	EPTH A	NGLE	DEPTH] .	RIG /		6 9 00	
			Pi,		ANGLE S		RIG MUD 9/0	·	6 900 470	· X
		Set	Pi,		\$ 7		RIG MUD 9/0 WATER_	·	6 9 00	· X
	ARKS:	Set	Pi;;;	- - + 11	ξ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		RIG MUD 9/0	·	6 900 470	· X
	ARKS:	Set	Pi;	- + 11 a:	8 5 1:) 49 ' Ex	- Irina	RIG MUD 9/0 WATER BITS	·	6 900 470	· X
	ARKS:	Set co pk	Pi;		8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER BITS LOGGING_	}	6 900 470	· X
	ARKS:	Set	Pi; 1 É 1 9 Y 26 760	26; + 11 05 SX	8 5 1:) 49' Ex	Terra	RIG 9/0 MUD 9/0 WATER BITS LOGGING_ TESTING_	}	6 900 470	· X
	ARKS:	Set Co pk SS Cello	Pi, 1 É 1 9 760 G		8 5 1:) 49' Ex cent	Terra	RIG 9/0 MUD 9/0 WATER BITS LOGGING_ TESTING_ CEMENTIN RENTALS_ MATERIAL	ig	6 900 470 9 30	X
REMA	ARKS:	Set	Pi, 1 É 1 9 760 G	26; + 11 05 SX	8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER BITS LOGGING_ TESTING_ CEMENTIN RENTALS_ MATERIAL	ig	6 900 47.3 7 30 wh)	25
REMA	ARKS:	Set Co pk SS Cello	Pi, 1 É 1 9 760 G	26; + 11 05 SX	8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER BITS LOGGING_ TESTING_ CEMENTIN RENTALS_ MATERIAL FUE!	ig	6 900 47.3 9 30 wh)	2.5
REMA	ARKS:	Set Co pk SS Cello	Pi, 1 É 1 9 760 G	26; + 11 05 SX	8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER_ BITS_ LOGGING_ TESTING_ CEMENTIN RENTALS_ MATERIAL FUE!) G S (csg 8)	6 900 47.3 9 330 wh)	2.5
REMA	ARKS:	Set Co pk SS Cello	Pi, 1 É 1 9 760 G	26; + 11 05 SX	8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER BITS LOGGING_ TESTING_ CEMENTIN RENTALS_ MATERIAL FUE!	S (csg 8)	6 900 470 9 30 wh) 1, 62 11 35 436,40	2.5
REMA	ARKS:	Set Co pk SS Cello	Pi, 1 É 1 9 760 G	26; + 11 05 SX	8 5 1:) 49' Ex cent	Terra	RIG MUD 9/0 WATER	S (csg 8)	6 900 470 9 30 wh)	2.5

Bird# Z 2085 GL

DAILY REPORT

VELL: BUCKLES B-1	DATE: 19 AUGUST 81
PRESENT TD: 5200'	ft./24 hr.
PRESENT OPERATION: OTTER	
GENERAL LITHOLOGY:	
ZONES OF LITHOLOGIC CHANGE:	
4	
SAMPLE CONDITION:	
AVERAGE DRILLING RATE:	
LOST CIRCULATION TONES:	
-	
OGGING UNIT BREAKDOWN:	
TIME (HRS.):	
MUD WT: 10.4 ,VISCOSIT	Y_3a_,BACKGROUND GAS, TRIP GAS
REMARKS: WET LS 17	N ix
TRIP 18-AND 81 ME	
DECEMEN	
HECEIVED -	Li Las Mallacor
Office of Enforcement	Kalvin bnes . Mud logger
Ompliance & Environmental	Carter Stewert Geo.

DAILY REPORT

WEL	L: Buckles # B-1	DATE: 20 AUGUST	
	SENT TD: 5516 (approx 37' into	31/0' ft./24 hr.	
		0.10	
	SENT OPERATION: And		
GEN	ERAL LITHOLOGY:		
_	Te Control of the Con		
	ZONES OF LITHOLOGIC CHANGE:		
	201120 01 2211102001 0111111		- 10
	-		-112
	SAMPLE CONDITION:		
	AVERAGE DRILLING RATE:		
	DRILLING BREAKS:		
	· · · · · · · · · · · · · · · · · · ·		
		•	
	LOST CIRCULATION ZONES:		- 2
			-
SAM	PLE TOPS:		-7
LOG	GING UNIT BREAKDOWN:		
	TIME (HRS.):		
	MUD WT: 10.3 ,VISCOSITY 33	BACKGROUND GAS, TRIP GAS	
, 4	REMARKS: Kibby @ 5180 -	3084 (flat to Buckles A-1)	
	-10	RECEIVED	
	•	FEB 2.5 2000	
		Office of I-plassement	

Compliance & Environmental Justice 000550

DAILY REPORT

1

UCIL 10	DATE: 21 AUGUST.
WELL: BUCKLES	
PRESENT TD: 5810 (-3693)	ft./24 hr.
PRESENT OPERATION: dria	
GENERAL LITHOLOGY: CHARLES FORM	ATION CHARLES "C" & @ 5821 (-3704)
ZONES OF LITHOLOGIC CHANGE: .	
SAMPLE CONDITION:	
AVERAGE DRILLING RATE:	
DRILLING BREAKS:	
	RECEIVED
	FEB 2 5 2000
LOST CIRCULATION ZONES:	Office of Enforcement Compliance & Environmental Justice
SAMPLE TOPS (CHAPLES P4=1 -3359 corr -3367 LOGGING UNIT BREAKDOWN: (GREEN POIN	5'1)(Azone 5557 (3440))(8-2008 - 3543 F/A) T = 706 (-3589) 16'A)
TIME (HRS.):	(-3603)
	BACKGROUND GAS Qu , TRIP GAS 44LL
REMARKS: 2 1200 pm (mm) -	Tope. 5821=p1(-3704) @ TD5826
SFEET INTO CHARLES C-	ZONE & DOLOMITIC LIMETERIE. THATE
residual oil in cutinos	, SCATTERED INTER YUN POROSITY : SCATTERED UNG
SLOW TO FAIR MILKY CU	TS. GAS: BUDU TO 444 - DRILLING BREK
	2: 2: 3/2 MINUTES PERFOOT
e 5820 (-3703)	
T	000549

ELECTRIC LOG DISTRIBUTION Buckles "B" #1

TXO Production Corp. 2705 Montana Avenue, Suite 300 Billings, Montana 59101	4 Field 4 Final 1 Sepia
ATTN: Mike Walen	
TXO Production Corp. 2150 Fidelity Union Tower Dallas, Texas 75201	1 Field 1 Final
ATTN: Engineering & Production	
Board of Oil & Gas Conservation 2535 St. John's Avenue Billings, Montana - 59102	3 Final
Dorrance D. Steele Oil & Gas Supervisor Fort Peck Agency Box 637 Poplar, Montana 59255	1 Final

ELECTRIC LOGS: Telecopier on location, telecopy important zones of interest to: (406) 248-4330

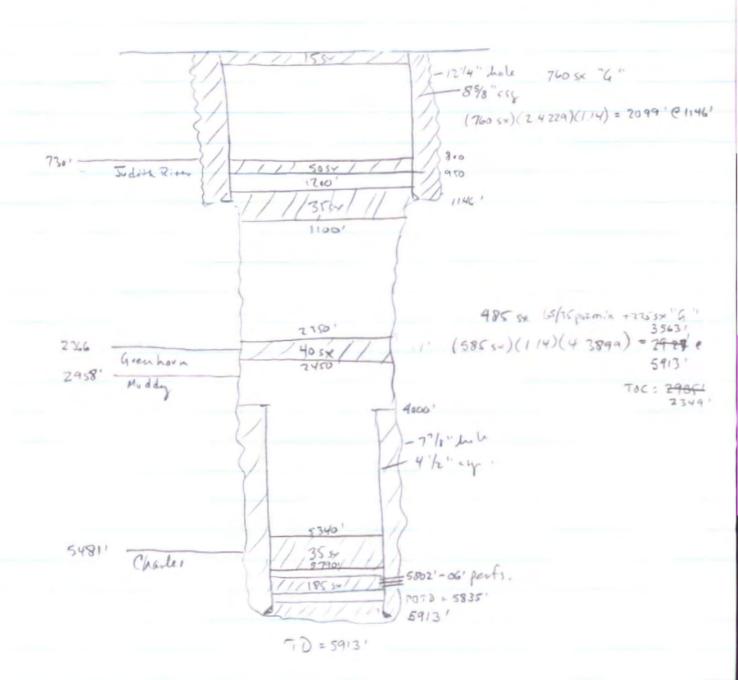
TXO Production Corp.

Billings, Montana



Office of Enforcement Compliance & Environmental Justica

ROOSOVelt COUNTY. BucklEs B'#1 MONTANA Surface Csq: 8 = 24 K-55 SPUD: 26 1/2 - 85/ (1/49. Production Csq: 4 1, 10 1 + 11.6. 141 ds - 41" set@ 5913 고클, 4.7#, J-55 (57301) 1 - BAKER HODEL (R) SINCLE GRIA PALKER (5.75') 1-10'-23 " TLAZNO SUB (10.07') 1:1 - 23/8" TLATUC . 1; + - 23/8" TLEING SUB (10.101) ... 1.1-23/8" TUBZNG SUB (5.92') 3 3/8" STEEL CARRIER CLUS w/435#F- -(4') PACKER SET @ 5735 BAKER HOEL " R" S=NGLE GRIA PERFS: 5802'-5808'



DATE:	8-5-81	W	ELL NOME	§ NO.:	Buckles "I	3" #1 1	COUNT	Y: Roos	sevelt
AFE NO:					Sec. 22, T28		STATE		ana
FIELD:	7		OTAL DEP				ELEV.	-	GL GL
	-	,					_		KB
			C	ASIN	G PROG	RAM			
STRING	SIZE	SECTION LENGTH	WT.	GRADE	COUPLING	THREAD	HOLE SIZE		LIER &
Revision"									14/
roduction	412''	5200 t 800 t	10,5	K-55 K-55	ST&C ST&C	8rd 8rd	7 7/8'' 7 7/8''	Stoo	
			CFI	MFNT	ING PRO	GRAM			
CASING	SET	CEMENT	8	TOP			YIELD	WOC	COMPANY
STRING	@ FT.	VOLUME	EXCESS	CEME	NT CEMEN	NO.	WATER	HRS.	
'Revision'									
						7.			
roduction	60001								
st Stage					1				
lurry		160 sxs*	10						
nd Stage									
ead ail		425 sxs* 125 sxs	10						
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- 1			* Same	as 5½"					
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SPECIAL	EQUI PMEN	Γ:							
4½": San	ne as St		*						
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COMPANY:	C _{in}	5	Q		*
FORMATION	DEPTH	TYPE LOG	. ,	INTERVAL	
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	TESTI	NG AND CORI	NG PROG	RAM	
DRILL STEM TEST	TING PROGRAMS		TESTING CO	MPANY:	
CORING PROGRAM			CORING COM	PANT:	
	SAMPLEA	ND DRILLIN	G TIME P	ROCEDURE	
		PERS	ONNEL		
XAME	,	POSI	TION	HO'TE PHONE	OFFICE PHIN
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		MISCEL	LANEOUS	- 1	
Roads and locat	tion inspected b	у		before N	HIRT.



FEB 25 2009

Office of Entorcement Compliance & Environmental Justice

TEYAS OIL & GAS CORP. DRILLING PROGNOSIS DATE: 6-29-81 WELL THE & NO.: Buckles "B" #1 COUNTY: Roosevelt LOCATION: NW NE Sec. 22, T28N R51E AFE NO: 81-1217 Montana STATE: FIELD: East Poplar TOTAL DEPTH: 6000' 2106 ELFV .: GL KB CASING PROGRAM STRING SIZE SECTION WT. GRADE COUPLING. THREAD HOLE SIZE SUPPLIER & LENGTH LOCATION Surface 8 5/8" 12001 24# K-55 ST & C 8RD 12 1/4" Stock ' Production 51/2" 5200 1 15.5 K-55 ST & C SRD 7 7/8" Stock 1008 17.0 K-55 ST & C 8RD 7 7/8" Stock CEMENTING PROGRAM CASING SET CEMENT % TOP OF TYPE OF ADD. YIELD WOC COMPANY STRING @ FT. VOLUME **EXCESS** CEMENT CEMENT WATER HRS. NO. Surface 1200' Western st Stage Slurry 12001 360 sxs 100 700 Class "G" (1) 1.15/5.0 and Stage 7001 Lead 400 sxs 100 Surface Class "G" (1)1.15/5.0 12 Tai1 100 sxs Class "G" (2) 1.15/5.0 roduction 60001 Western st Stage 60001 Spacer 20 bb1s Salt Wtr. Flush 20 bb1s Mud Flush Slurry 120 sxs* 10 52001 1-2 Talc (3)1.45/6.0 4 2nd Stage Spacer 10 bb1s Salt Wtr. Flush 10 bb1s Mud Flush Lead 340 sxs2 1.45/7.65 10 3200' TX1 Lite (4) Tail Class "G" 100 sxs (5) 1.15/5.0 The values shown are estimated. Actual values will be calculated caliper volumes plus 10% excess. SPECIAL EQUIPMENT: 8 5/8": guide shoe, insert type orifice fill float, two model "RTS" Lynes external casing packers (one above (700') and one below (900') the Judith River), 6-8 centralizers as needed. 5 1/2": guide shoe, diff. fill collar, centralizers TD to 100' above pay zone at 80' spacing. ADDITIVES: (1) 2% CaCl 2% CaCl, 13% Thixad (3) 10% NaCl, 0.6% CF-2, 0.3% WR-15, 35% Silica flour, 11/2#/sk Permachek, 0.2% AF-11 (4) 1% CF-10, 0.2% AF-11, 2% CaC1 (5) 10% NaCl, 0.6% CF-2, 2% CaCl2, 1½#/sk Permachek MUD PROGRAM FEB 2 5 2000 Office of Enforcement COMPANY: Red River Mud Company INTERVAL TYPE MUD MUD WT. VIS. W.L. LOM NaC1 PH CHEMICALS (PPB) Conc. 01 - 1001 Salt Water 8.8 - 9.4 28-32 N.A. Lime and/or gel in sweeps 9.3 - 9.8 30-33 100! - 1200! Brine Mud N.A. 7 Salt gel and gel. 1200' - 3100' Salt Water 8.8 - 9.4 28-32 N.A. Lime A/or gel in sweeps 3100' - 5600' Brine Mud 9.2 - 10.0 30-38 25-30 Salt gel, gel, starch 600' - TD Brine Mud 9.6 - 11.4 10-15 ** 7 Salt gel, gel, starch Water flows may be encountered from 150' down to 850 with an almost certain flow at 850'. Mud weights in excess of 11.0 ppg may be necessary. Mud weights in excess or 11.0 ppg may be necessary.

** Before approx. 5750' the system should be pre-treated with 2.0# L/M per barrel and the mud

000478 weight should be 10.8 - 10.9 ppg.

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COMPANY: - S	chlumberger		73	•	
	See		and the same	•	
FORMATION	DEPTH	TYPE LOG	INT	ERVAL	
reenhorn uddy ierdon iper Lm msden yler tter ibbey Ls. harles reenpoint harles "C" Ø	2370' 2969' 4134' 4378' 4750' 4878' 5032' 5328' 5479' 5710' 5815'	DLL + Micro SFL-GR-CAL FDC-CNL-GR-CAL	Base sur 4000' to	f. csg to TD.	
	TESTIN	G AND CORING	PROGR.	A M	
DRILL STEM TES	STING PROGRAMS	TES	TING COMPA	Max's Testin	ng (Glendive)
	f top Charles "C"				
CORING PROGRAM	A	COR	ING COMPAN	λ:	
NONE	- 4				
			4)		
	*		1		
	SAMPLEAN	D DRILLING TI	ME PR	OCEDURE	
/					
8					
-		PERSONNE	: 1		
NAME		POSITION		HOME PHONE	OFFICE PA
Ron Becker		Project Manager		406-652-3623	406-248-435
- Double			ile Phone:	406-259-8599	400-246-455
Mike Walen		Project Geologist		406-652-2405	406-248-4370
Leo Heath		Project Engineer Mob	ile Phone	406-656-9917 406-259-8620	406-248-4330
Joe Kagie		Drilling Engineer Mob	ile Phone	406-656-2224 406-259-8845	406-248-4330
Walt Dyer		Foreman	11.4	406-768-2434	

RECEIVED

11

Walt Dyer

Roads and location inspected by

FEB 2 5 2000

Office of Enforcement Compliance & Environmental Justice before MIRT.

TEXAS OIL & GAS CORP.

.

Inter-Office Memorandum

	Date: July 22, 1981
To: Well File	From: C.K. Curlee
Denver	Be Buckles "B" #1
	Section 22-T28N-R51E
	Roosevelt County, Montana

On 8 July 1981 an on-site inspection was held for the Buckles "B" #1 well location. In attendance were the following:

Warren Korinek

Jim Lundberg

BIA, Supervisory Soil Conservationist

Dirt Contractor

Leo Heath

Joe Kagee

C.K. Curlee

USGS, Environmental Scientist

BIA, Supervisory Soil Conservationist

TXO, Billings

TXO, Billings

TXO, Denver

Major points of discussion during the on-site inspection included access, production facilities, pad layout, and potential H2S hazard.

The access route was changed. The access will follow the recently upgraded road to the Buckles "A" #1. The new access road will continue east along the half section line (a disturbed plow line) and turn north to proceed past the "B" #2 location to the "B" #1 location (see attached map).

The production facilities were also changed. Separate production facilities will not be set at the pad for the Buckles "B" #1. Instead, a separate tank battery will be established at the location of the Buckles "A" #1 and pipelines carrying oil and produced water will be constructed to the Buckles "A" #1 location. Produced water will be injected into the salt water disposal well and oil will be stored in the new tank battery, separate from the tank battery for the Buckles "A" #1 lease. Only a treater will be required at the location of the Buckles "B" #1 with a minimum access road to the location.

The major change in the pad layout was the inclusion of a fresh water/wash water pit. This pit will be approximately 20' x 60' x 8' deep and will be constructed south of the reserve pit. A small ditch will be dug from the rig to this wash water pit. The pit will be unlined and will hold fresh water that is used to wash down the derrick and rig area. Use of the wash water pit to hold fresh water reduces the cost of drilling muds and other additives which are concentrated in the reserve pit. Since the pit will hold fresh water, the BIA representative had no concerns about the water seeping into the surrounding ground.

The potential for an H₂S hazard was briefly discussed. Leo Heath indicated that a small trace of H₂S was present in the oil bearing Charles River Formation. The crude hauler for the Buckles "A" #1 reported that the concentration in the oil was 4 ppm, considered sweet oil in the region. USGS, however, requested a revision to the APD package indicating that a contingency plan would be implemented in the event higher concentrations of H₂S are encountered.

FEB 2 5 2000

Office of Enforcement Compliance & Environmental Justice Page Two July 22, 1981 Memo

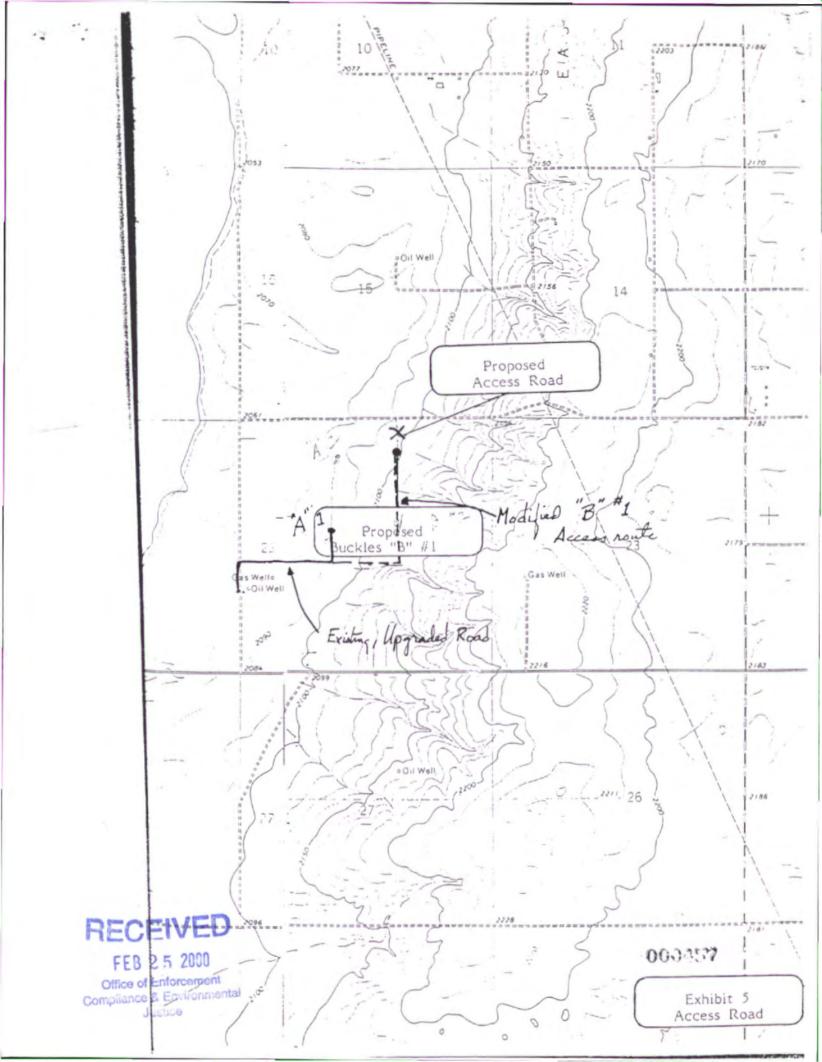
The schedule for permit approval was discussed. USGS and BIA were made aware of our goal to commence construction about 15 July 1981. BIA stated that they would forward stipulations by close of business 8 July 1981. Korinek indicated that he would be in the office 10 July 1981 and that he would prepare the permit documents for signature on 13 July 1981. Based on this scheduling, the approved permit would be ready to be picked up either late on Monday, the 13th of July, or on Tuesday the 14th.

CKC

CKC

CKC/BS cc/Leo Heath





CIRCULATING A. F. E.

Please Process and Keep Moving

Route

Rutledge
Canfield

Morgan, J.
Carter, A.
Froglund
Hutchison
Marr
DeRosia

Benson
Nuttall

This
Engineering

File

RECEIVED

FEB 25 2000

Office of Enforcement
Compliance & Environmental
Justice

7

TEXAS OIL & GAS CORP.

Inter-Office Memorandum

	Date July 22, 1981
To: A. D. Carter, Jr Dallas	From: R. G. Becker - Billings Operations Package
	Buckles "B" #1
	Fast Poplar Prospect Roosevelt County, Montana

Attached for your approval is the operations package for the Buckles "B" #1. This 6000' well should gain + 10 feet of structure over the recently drilled TXO Buckles "A" #1 and the 1970 Mesa Biere #1-22 in the Charles "C" porosity zone. The Mesa well, 4000' southed of the proposed location, has flowed over 160 MBO along with a recorded 1.6 MBW. We estimate actual water production in excess of 6 MBW. Our Buckles "A" #1, 2000' southwest of the proposed location, gained three feet over the Mesa well at the top of the Charles, but was 2' low to the Mesa well in the porosity. Our latest test on the Buckles "A" #1 is 25 BOPD and 1065 BWPD at 450# FTP.

As shown on the attached maps, well control indicates about 10' of anticipated structure. Also attached is an overlay using seismic data acquired last week. It supports the anticipated structural advantage, predicting up to 30' of gain over Mesa's well.

Predicted economics, assuming 5' of structural gain and 25¢/Rb1 water disposal costs into our existing water disposal well, are:

Drilling & Completion Costs .	\$608,000	
TXO Working Interest	100%	
TXO Net Revenue Interest	83.33%	
Gross Reserves	125 MBO HI	
Initial Rate	50 BOPD, 1000	BWPD
Initial Oil Price	\$32.00	
Success Probability Factor	80%	<u> </u>
ROI	3.3:1	RECEIVED
ROR	48%	FEB 2.5 2000 Office of Enforcement
Payout	28.4 months	Compliance & Environment
Lease Costs	\$104,000	

R. G. B.

000395

RGB/blj Attachments TXO-81

) plu 81

W. RECOMMENDATION MEMO

Date: July 21, 1981		Prospect Name	: East Poplar	
Recommended by: M. B. Wa	len	Location:	Sec. 22 Twp 28N F	Rge_51E
Well Name: Buckles "B" #	1		County: Roosevelt	State Montana
Depth: 6000'				
Primary Objective Zone:_	Charles "C"	P	Oil X Gas	
Reserves & Economics				
Estimated Reserves:	MMCF	125 M BO	SPF: 80%	_
Reserve Method: Decli	ne Curves			
Reserve Parameters:	A:	Bg:		
	h:	RF:		
**	ø:	Sw:		
Economic Evaluation:	Price:	\$32.00/bbl		
	DCFROR:	48%		
	ROI:	3.3:1		
	Payback:	28.4 mos.		
Pipeline Delay: None		Rate	ŧ	
Well Cost: P&A	\$355,000	TXO	Net \$355,000	
Completed	\$608,000	TXO	Net \$608,000	
Land		ВРО	APO	
TXO Working Intere	est:	100 %	100 %	
TXO Net Revenue In			83.33 %	
Land Cost: \$ 104,00	00 Acres:	80 Gross	80 Net	
Comments:				_
Market: Marathon		Distance	to Pipeline (True	ck/
Special Obligation				/
Remarks:			BB6=11/F	-
			RECEIVE	
			FEB 2 5 2000	
			Compliance & Environment	entai
			Justice	

Signed: M. B. Walen 000396

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FEB 2 5 2000

Office of Enforcement

Project Name: Buckles B #1 Compliance & Environmental

Prepared By: RGB Justice

TXO INVESTMENT APPRAISAL PROCEDURE
Discounted Cash Flow (DCF) Worksheet
(Volume in MSO ; Amounts in MS

Date: July 10, 1981

Column 1	2 Gross	3 Net	4 REVENUE	5	6		8 OPERATING	9 EXPENSES	10	x .91	12	13	14	15	16
PERIOD	Volume Unit/Year	Volume Unit/Year	Price \$/Unit	Revenue	Tax	Variable G&A Expense	Other	Fixed	Total	OPERATING REVENUE	CAPITAL	NET CASH FLOW	PRESENT VALUE AT 40	PRESENT VALUE AT 50	PRESENT VALUE AT
0											826	(826)	(826)	(826)	
1	18.3	15.2	32.00	488.0	13.9	1.0		100	114.9	339.5	6	333.5	281.9		
2	17.4	14.5	35.00	507.1	14.5	1.0		105	120.5	351.8		351.8	212.4		
3	16.5	13.8	40.00	551.0	15.7	1.0		110	126.7	386.1		386.1	166.5		
4	15.7	13.1		522.5	14.9	1.0		116	131.9	355.4		355.4	109.5		
5	14.1	11.8		471.0	13.4	0.7			130.1	310.2		310.2	68.2		
6	12.0	10.0		400.0	11.4	0.7			128.1	247.4		247.4	38.9		
7	10.2	8.5		340.0	9.7	0.5			126.2	194.6		194.6	21.8		
8	8.7	7.2		288.0	8.2	0.4			124.6	148.7		148.7	11.9		
9	7.4	6.2		248.0	7.1	0.4			123.5	113.3		113,3	6.5		
10	4.7	3.9	4	156.0	4.4	0.3		↓	56.0	91.0	(56)	147.0	6.0		
TOTAL	125.0									2538.0	776		97.6	-31.7	

Memo:

TXO Net Interest = 83.33%

Tax Rate = .028% Sev, 9% NPT

GAA Expense Rate = \$.06/MBO

Other Variable Expense (Define):

Fixed is composed of:

Item

. OPEX

b. SWD

e.

Total Fixed Expense

DCF RATE OF RETURN = 48 PERCENT ROI = 3.3:1

PAYBACK = 28.4 MONTHS

\$ Amount

10M\$/Yr.

254/Bb1 x 1000 B/D

100 M\$/Yr., CSC 5%

Capital Outlays: Drilling

Drilling Completion Prod. Equipment Acquisition

Subtotal Initial Capital Outlays: List Additional Capital Outlays: SPF 80%

> Less Salvage Value: TOTAL CAPITAL OUTLAYS:

776

Amount

355

153

100

114

Working Capital (Invested in Yr.1 & recouped in last year of the project): Average Annual Revenue X Rate = Working Capital Outlay

345 x .018 - 6

INTERSTATE ENGINEERING, "C. P. O. Box 648 SIDNEY, MONTANA 59270

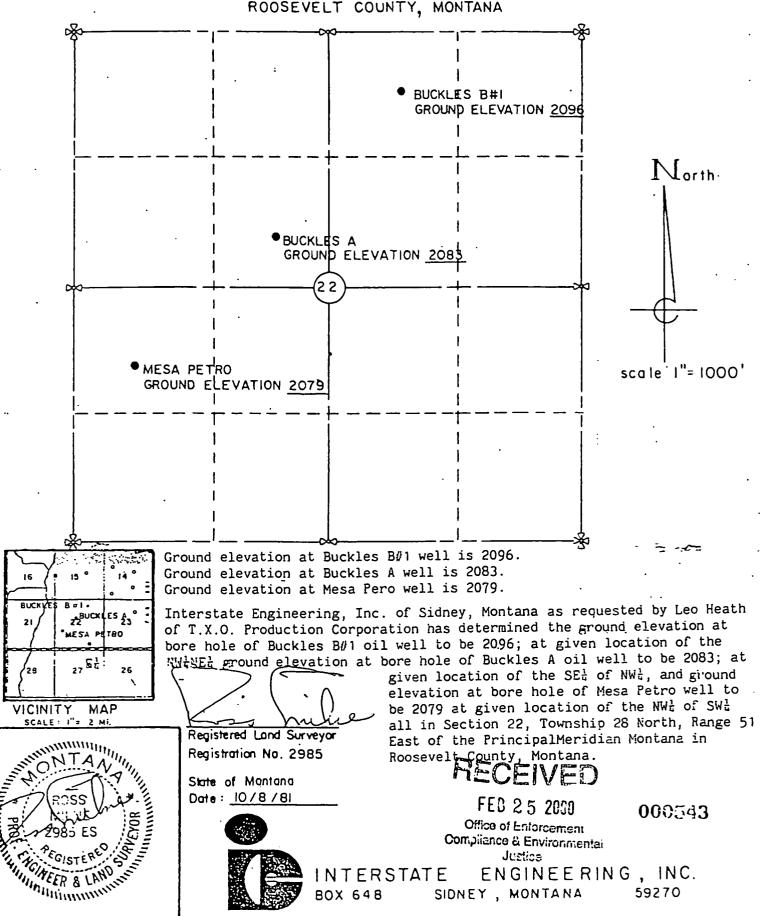
LETTER OF TRANSMITTAL

					10/8/81	81-2	2-247
	(406) 482	5617		Leo Heat	b	
то _	T.X.O. 1	Product.	ion Corporation	RE:	Section 22, T2		
			ve., Suite 300		Roosevelt Coun	ty, Montana.	
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	BITTINE:	S,M	59101				
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3	10/8/81		Buckles B#1, A, and	<u>Mesa Petr</u>	<u>rol oil well gra</u>	de elevations	
.		<u> </u>		·			
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						OCT 9 1981	•
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	Bu	ckles_B	1, Buckles A, and Mesa	Petrol c	oil wells. Tha	nks.	
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If englosures are not as noted, kindly notify us at once.

T. X.O. PRODUCTION CORPORATION LOCATION AND ELEVATION

SECTION 22, T 28 N, R 51 E ROOSEVELT COUNTY, MONTANA



BOX 648

INTERSTATE ENGINEERING, INC. SIDNEY, MONTANA

59270



TXO PRODUCTION CORP.

DENVER DISTRICT INTER-OFFICE MEMORANDUM

•	Date: 100: 24., 1704
To: R. E. Dashner	From: P. A. Kriz
	Re: Recommendation to P & A the
:	Buckles "A" #1, Buckles "B"
	#1, and the Buckles SWD wells 🤻
	in Roosevelt Co., Montana

LEASE NAME:

Buckles "A" #1, "B" #1, and SWD #1

LEASE NUMBER:

46529, 92287, 7839

TXO WORKING INTEREST:

100%

PRESENT PRODUCTION:

Shut in

CUMULATIVE PRODUCTION:

8189

CUMULATIVE INVESTMENT:

1,524,295

CUMULATIVE NET INCOME:

-47,357

The Buckles "A" #1 and "B" #1 are 100% WI, Madison oil wells in the Popular Field in Roosevelt County, Montana. The Buckles "A" #1 was spudded on April 1, 1981 and was perforated at 5796' to 5800' in the Madison-Charles "C" zone. The initial test production on May 4, 1981 was 82 BOPD and 887 BÖPD. The well had a strong water drive and produced large quantities of corrosive water. The Buckles SWD #1 well was drilled on May 13, 1981 to dispose the Buckles A #1's water production into the Judith River formation. The Buckles B #1 was spudded on August 11, 1981, no economic production was found and the well was temporarily abandoned and left as a possible injection well for the Buckles A #1.

The Buckles A #1 and SWD #1 have been plagued with numerous shut ins due to leaks in pipes caused by the corrosive water production. The salt water disposal well has pressurized to the point that further injection will probably cause leaks in the corrision fatigued casing and allow communication to the surface. Surface communication was a problem while drilling the SWD well due to its shallow depth and would prove to be both difficult and costly to repair. Furthermore, the well is an indian lease on the Ft. Peck Indian Reservation and surface leaks could lead to legal action against TXO.

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Plugging Recommendation 2/24/84 - Page 2

The Buckles A #1 was shut in on November 21, 1983 due to high discharge pressure to the SWD well. The well was producing approximately 6 BOPD and 900 BWPD when it was shut in. At the present production rate the well can not cover any additional expenditures that would come from drilling another injection well or converting the Buckles B #1 to a disposal well.

Uphole potentials were evaluated with geology and no additional prospective zones were found. Furthermore, based on the history of the producing zone, further stimulation on workover would not enhance production. At the present production decline the Buckles A #1 is only 3 months from its economic limit of 3.4 BOPD.

In view of the facts presented, it is recommended that the Buckles A #1, Buckles B #1, and the Buckles SWD #1 be plugged and abandoned. The cost for plugging the wells would be approximately $\frac{53,400}{55,300}$. The salvage value that is expected to be recovered is approximately $\frac{55,300}{500}$.

Please review and advise on the plugging of the Buckles A #1, B #1, and SWD #1 wells.

PAK/ja



TXO PRODUCTION CORP.

DENVER DISTRICT INTER-OFFICE MEMORANDUM

•	Date:reo. 24, 1904
To: R. E. Dashner	From: P. A. Kriz
	Re: Recommendation to P & A the Buckles "A" #1, Buckles "B" #1, and the Buckles SWD wells in Roosevelt Co., Montana

LEASE NAME:

Buckles "A" #1, "B" #1, and SWD #1

LEASE NUMBER:

46529, 92287, 7839

TXO WORKING INTEREST:

100%

PRESENT PRODUCTION:

Shut in

CUMULATIVE PRODUCTION:

8189

CUMULATIVE INVESTMENT:

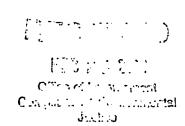
1,524,295

CUMULATIVE NET INCOME:

-47,357

The Buckles "A" #1 and "B" #1 are 100% WI, Madison oil wells in the Popular Field in Roosevelt County, Montana. The Buckles "A" #1 was spudded on April 1, 1981 and was perforated at 5796' to 5800' in the Madison-Charles "C" zone. The initial test production on May 4, 1981 was 82 BOPD and 887 BÖPD. The well had a strong water drive and produced large quantities of corrosive water. The Buckles SWD #1 well was drilled on May 13, 1981 to dispose the Buckles A #1's water production into the Judith River formation. The Buckles B #1 was spudded on August 11, 1981, no economic production was found and the well was temporarily abandoned and left as a possible injection well for the Buckles A #1.

The Buckles A #1 and SWD #1 have been plagued with numerous shut ins due to leaks in pipes caused by the corrosive water production. The salt water disposal well has pressurized to the point that further injection will probably cause leaks in the corrision fatigued casing and allow communication to the surface. Surface communication was a problem while drilling the SWD well due to its shallow depth and would prove to be both difficult and costly to repair. Furthermore, the well is an indian lease on the Ft. Peck Indian Reservation and surface leaks could lead to legal action against TXO.



Plugging Recommendation 2/24/84 - Page 2

The Buckles A #1 was shut in on November 21, 1983 due to high discharge pressure to the SWD well. The well was producing approximately 6 BOPD and 900 BWPD when it was shut in. At the present production rate the well can not cover any additional expenditures that would come from drilling another injection well or converting the Buckles B #1 to a disposal well.

Uphole potentials were evaluated with geology and no additional prospective zones were found. Furthermore, based on the history of the producing zone, further stimulation on workover would not enhance production. At the present production decline the Buckles A #1 is only 3 months from its economic limit of 3.4 BOPD.

In view of the facts presented, it is recommended that the Buckles A #1, Buckles B #1, and the Buckles SWD #1 be plugged and abandoned. The cost for plugging the wells would be approximately $\frac{53,400}{55,300}$. The salvage value that is expected to be recovered is approximately $\frac{55,300}{55,300}$.

Please review and advise on the plugging of the Buckles A #1, B #1, and SWD #1 wells.

PAK/ja

- . v.#7.=

P. A. K.

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TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 1, 1984

MONTANA BOARD OF OIL & GAS CONSERVATION 2535 St. Johns Avenue Billings, Montana 59102

RE: Buckles "A" #1, "B" #1, "SWD" #1 Section 22, T28N-R51E Roosevelt County, Montana

Dear Sirs:

Attached please find Sundry Notices and Well History's on the above referenced wells.

Please call me at this office if you have any questions about these wells.

Sincerely,

TXO PROPUCTION CORP.

M. David Clouatre

Drilling & Production Engineer

Encl. MDC/tlw

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FEB 25 2000

Office of Enforcement Compliance & Environmental Justice

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NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD. (SUBMIT IN QUADRUPLICATE)

BOARD OF OIL AND GAS CONSERVATION 1501 OF THE STATE OF MONTANAL & CAS COMM. OF MAC 36-3.18(10)-S18330

CHELBY STATE OF MONT

MAC 36-3.18(10)-S18020 MAC 36-3.18(10)-S18030 MAC 36-3.18(10)-S18140 MAC 36-3.18(10)-S18170

SUNDRY NOTICES AND REPORT OF WELLS

	10.000	11		
Notice of Intention to Drill	XX	Subsequent Report of W	ater Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Sho	oting, Acidizing, Cen	nenting 0 25
Notice of Intention to Test Water Shut-off		Subsequent Report of Al	Hering Casing	25/22
Notice of Intention to Redrill or Repair Well		Subsequent Report of Re	edrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Al	bandonment RE	CENTED GIA 10
Notice of Intention to Pull or Alter Casing		Supplementary Well Hist	rock PRONNI	697 810
Notice of Intention to Abandon Well		Report of Fracturing	HILL NO	CENTED 22 22 22 20 10 10 10 10 10
		1	CHECK	10
(Indicate Above by Check	Mark Na	ture of Report, Notice, or	Other Data C	
3/11/2019 13/2/19/3/	1,490,00		777	2
		-249-244	July 7	19
lowing is a notice of intention to do work	on land	owned described as	s follows:	
lowing is a report of work done .		/ leased		
-			Buckles "B"	
MONTANA	Rooseye	It		E. Poplar
(State)		(County)		(Field)
II No. 1 CNWNE Sec. 22		T28N	R51F	MPM
(m. sec.)		T28N (Township)	(Range)	Meridian)
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e well is locatedIt. from vs. 1	ine and	it. Irom	The of Se	3C.,
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		21061 CT		
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CATE WELL SITE ACCURATELY ON PLAT OF e elevation of the ground or K.B. above the sea le AD CAREFULLY DETAIL	evel is	2106' GL PLAN OF WORK		READ CAREFULL
CATE WELL SITE ACCURATELY ON PLAT OF e elevation of the ground or K.B. above the sea le AD CAREFULLY (State names of and expected depths to objective saids	ILS OF	2106' GL PLAN OF WORK	enposed casings, ceme	
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API WELL NUMBER

NOTE:-Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL IF WELL NOT SPUDDED OR EXTENSION REQUESTE 000402 OVER

(SUBMIT IN QUADRUPLICATE)

TO

THIS FORM BECOMES A ERMIT WHEN STAMPED PPROVED BY AN AGENT APPROVED BY A OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA OIL E SAS COURS DOWN

BILLINGS OR SHELBY

STATE OF MENTA SUNDRY NOTICES AND REPORT OF WELLS

MAC 36-3.18(10)-S18020 MAC 36-3.18(10)-S18030 MAC 36-3.18(10)-S18140 MAC 36-3:18(10)-518170 MAC 36-3.18(10)-S18200 MAC 36-3.18(10)-518310 ~MAC 36-3.18(10)-S18330 OIL & GA HONTE MAG 36:3.18(14)-518380

otice of Intention to Drill	Subsequent Report of Water Shut-off
otice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing
otice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing
lotice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair
lotice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment
Totice of Intention to Pull or Alter Casing	Supplementary Well History
Sotice of Intention to Abandon Well	Report of Fracturing
	Change of Operator Name XX

October 14, 1981 Following is a notice of intention to do work on land) owned described as follows: leased Buckles ''B'' LEASE..... Roosevelt E. PoplarMONTANA (County) (Field) (State) Well No. B-1 CN/NE Sec. 22 128N (Township) LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM. The elevation of the ground or K.B. above the sea level is

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

Effective September1, 1981, the exploration and production activities of Texas Oil & Gas Corp. have been reorganized into a new corporate branch, TXO Production Corp. As a consequence, the operator name for this well is changed to "TXO Production Corp."

Approved	subject	NOV 23 1981	n reverse c	of form
Date	TELIGINA	MON S 2 1301	•••••••••••••••••••••••••••••••••••••••	
ByDee	Rickman,	Executive Secret	97 %	
	Distri	ct Office Agent	Tit	le

Company	TXO Production Corp. /
Ву	TXQ Production Corp. Leo A. Heath Leo D. Lieth
Title	Project Engineer
	2705 Montana Avenue Suite 300
Address	Billings, MT 59101

BOARD USE ONLY API WELL NUMBER

COUNTY

STATE

NOTE:-Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 30 DAYS FROM DATE OF APPROVAL IF WELL NOT SPUDDED OR EXTENSION REQUESTED.



SUBMIT IN TRIPL'

LE. (Other instruction reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

	2-1111	LOGICAL SURVEY	RIOR		5. LEASE DESIGNAT 14-20-0256	5-5439
APPLICA	ATION FOR PERM	IT TO DRILL, DEE	PEN, OR PL	UG BACK	6. IF INDIAN, ALLOT	TTEE OR TRIBE NAME
b. TYPE OF WELL	DRILL X GAS WELL OTHE	DEEPEN		G BACK MULTIPLE ZONE	Austin R. 7. UNIT AGREEMEN N/A 8. FARM OR LEASE	T NAME NAME
2 NAME OF OUR Mexas Oi	1 & Gas Corp.			. 1 5	Buckles "	B''
Suite 30	O, 2705 Montana A	venue, Billings,		ological Survey	#1 10. FIELD AND POO	L, OR WILDCAT
4. LOCATION OF At surface	, 1980' FEL	and in accordance with an	y State Mediu Frement JUN	22 1981 33, Montana	East Popl:	
14. DIS1 API 2. 15. DIS' LOC PRO (AI 3. 18. DIS' TO OR / 4. 21. ELEY 210 23. 6.	60 days. In case of production will be 1 Topsoil will be Access road will A-1 site.	nole, all restora action, all dista restored within a piled separately be from the sou	ntion will burbed areas of days. of and not us of and join	e completed not needed ed for othe ing existin	within for prod- r purposes.	Montana Montana WORE WILL START* 1981
SIZE OF H	OLE SIZE OF CASING	WEIGHT PER FOOT	SETTING DE	РТН	QUANTITY OF CE	MENT
1250	8 5/8"	2/4 Norr	12001	Circ	late to sur	fare

7/8" 55" 15.5# & 17# 6000' 700 sacks

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

revenues progra	tan it iting:					-
SIGNED	Lon Book	ber by LAH	TITLE _	Project Manager	DATE 6-22-81	_
(This space	for Federal or State o	ffice use)			8.89	
aratie va	2			Lancourt Wine		

CONDITIONS OF APPROVAL, IF ANY SEE ATTACHED

FEB 2 5 2000

Office of Enforcement Compliance & Environmental Justice

ANY FLARING OR VENTING OF GAS SUBJECT TO NTL 4-A DATED 1/1/30

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company	Well No
Location_	Lease No.

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

- 1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
- All shows of fresh water and minerals will be reported and protected. A
 sample will be taken of any water flows and furnished this office for
 analysis. All oil and gas shows will be adequately tested for commercial
 possibilities, reported, and protected.
- 3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended for more than 30 days, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Engineer must be notified at least 48 hours in advance of the plugging of the well, in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a

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Office of Enforcement
Compliance & Environmental
Justice

- 6. You or your authorized representative should inspect the abandoned location prior to notification to this office by form 9-331 that it is ready for inspection, and note especially:
 - (a) That the regulation dry-hole marker bears the correct legend as required in item 3.
 - (b) That rathole and mousehole are filled, not just bridged, and pits are filled and leveled.
 - (c) That all material and junk are gone. This includes deadmen protruding above the level ground surface.
 - (d) That reseeding or other required restoration work has been completed.
- 7. The U.S. Geological Survey district office address is:

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The U. S. Geological Survey District office address and contacts are:

Address:	Conserva	tion Division,	P.O.	Box	2550,	Billings	, MT	59103
Office Ph	one:	657-6367						
District	Engineer	Thomas P. Ri	chmon	d		Home !	Phone:	656-0357
Asst. Dis	t. Enginee	r				Home		

SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

- 8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed for prior approval of the District Engineer, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- 9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Engineer's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
- 10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact the Surface Management Agency 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, future operations will require a new application be filed for approval.
- 11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.

7	-	-	4 8 6	-	
Total Street	,		N W A		

12.

follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the District Engineer within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Engineer's office on a frequency and form or method as may be acceptable to the District Engineer.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed in duplicate directly with the U. S. Geological Survey Area office, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Engineer. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6 and prior approval by the District Engineer.

- 5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
- 6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify this office and the Surface Management Agency at least 24 hours prior to commencing field operations to allow this office and/or the Surface Management Agency office to have personnel present for consultation during the construction of roads and locations.

The Surface Management Agency	
Office Phone:	, Home Phone:
City:	, State:
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Justica

CONDITIONS OF APPROVAL FOR WELL ABANDONMENT

Company	Location
Well No	Lease No.

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

- This office should be notified sufficiently in advance of actual plugging work so that a representative may have an opportunity to witness the operation.
- 2. Upon completion of approved plugging, erect the regulation marker in accordance with 30 CFR 221.22 and clean up the location. The marker should not be less than 4 inches in diameter and extend approximately 4 feet above general ground level. Heap up the dirt around the base of the marker about 18 inches to take care cf any settling of the cellar. The top of the marker must be closed or capped. Pits must be fenced unless approved otherwise by the District Engineer.
- 3. The following minimum information shall be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:
 - "Fed" or "Ind", as applicable.
 "Well number, location by & & section, township and range."
- 4. Within 15 days after well bore plugging operations are completed, form 9-331 (Subsequent Report of Abandonment) must be filed showing location of plugs, amount of cement in each, amount of casing left in hole, and status of surface restoration. If a temporary delay in removal of equipment or surface cleanup is deemed necessary and acceptable to this office, so note on this report and notify this office when such work has been completed to your satisfaction. This final abandonment report will not be approved until a physical inspection by this office and the surface—management agency finds the well site in satisfactory condition.
- 5. If not previously filed, submit in duplicate Well Completion or Recompletion Report and Log (form 9-330), well history, electric logs, and other surveys, and if taken, core analysis and water analysis. These reports must also be filed within 15 days after completion of plugging operations.

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RECEIVED Form 9-331 FEB 2 Succession Approved. Dec. 1973 UNITED STATES 5. LEASTRICO OF ENDIESINGUEL. DEPARTMENT OF THE INTERIOR Compliance or 643 Onmental GEOLOGICAL SURVEY 6. IF INDIAN, ALLISTICEEE OR TRIBE NAME Austin R. Buckles SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT AGREEMENT NAME (Do not use this form for proposals to drill or the perfect of the back to a N/A 8. FARM OR LEASE NAME 1981 IUL 13 Buckles "B" well well other Billings, Morriana 9. WELL NO. 2. NAME OF OPERATOR #1 Texas Oil & Gas Corp. 10. FIELD OR WILDCAT NAME ADDRESS OF OPERATOR East Poplar Field Suite 300, 2705 Montana Ave., Billings, MT 5910211. SEC., T., R., M., OR BLK. AND SURVEY OR LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 AREA Section 22-T18N-R51E AT SURFACE: 660' FNL, 1980' FEL 12. COUNTY OR PARISH 13. STATE AT TOP PROD. INTERVAL: AT TOTAL DEPTH: Roosevelt Montana 14. API NO. 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 15. ELEVATIONS (SHOW DF, KDB, AND WD) REQUEST FOR APPROVAL TO: 2106' GR SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (NOTE: Report results of multiple completion or zone PULL OR ALTER CASING change on Form 9-330.) MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) Change Plans 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* The following change is made in the subsurface plan (9-331C Addendum) of the APD packages ABNORMAL CONDITIONS: B. Trace amounts of H2S gas may be encountered in association with Charles River Formation oil. In the event hazardous concerntrations are encountered, an H2S safety program, consistent with industry standards, will be implemented. The program would include such features as signs, use of respirators, proper detection systems, etc. Subsurface Safety Valve: Manu, and Type Office of Enforcement 18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

Compliance & Environmental

TITLE Project Engineer DATE

urver

SIGNED

CONDITIONS OF APPROVAL, IF

T. X. O. PRODUCTION CORPORATION

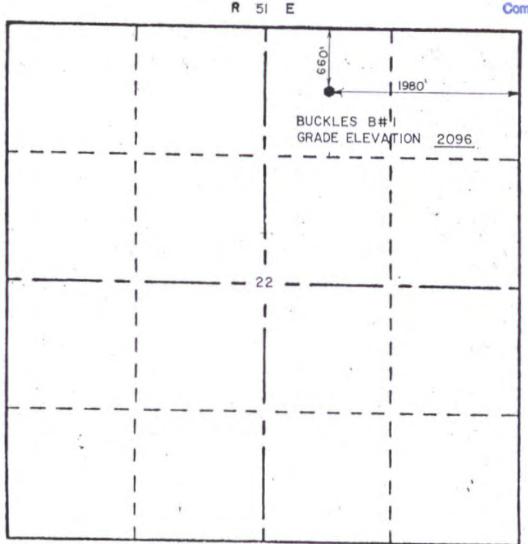
LOCATION AND ELEVATION

NW NE SECTION 22, T 28 N, R 51 E ROOSEVELT COUNTY, MONTANA PLAT

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Office of Enforcement Compliance & Environmental Justice



SCALE: 1" = 1000'

TEXAS OIL & GAS CORP.

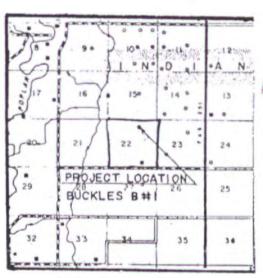
BILLINGS DISTRICT

OCT 2 1981

Grade Elevation at well is 2096.

28 N

Interstate Engineering, Inc. of Sidney, Montana as requested by Leo Heath of T.X.O. Production Corporation has determined the grade elevation at bore hole of Buckles B #1 oil well to be 2096; at the given location of 660' F.N.L. and 1980' F.E.L., in Section 22, Township 28 North, Range 51 East of the Principal Meridian Montana in Roosevelt County, Montana.



VICINITY MAP

SURVEYOR'S CERTIFICATE

I hereby certify that this survey and plat attached hereto is a true and correct representation showing the location of

Dated: 9-30-8/



Voss milne

Registered Land Surveyor Registration No. 2985 E.S. State of Montana

Form Approved. Budget Bureau No. 42-R1424

UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY	5. LEASE FT PECK AL. 14-20-0256-5439 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or plug back to a different eservoir, Use Form 9–331—C for such proposals.)	Austin R. Buckles 7. UNIT AGREEMENT NAME N/A 8. FARM OR LEASE NAME
1. oil gas other 2. NAME OF OPERATOR	Buckles "B" 9. WELL NO. #1
Texas Oil & Gas Corp. 3. ADDRESS OF OPERATOR Suite 300, 2705 Montana Ave., Billings, MT 4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.) AT SURFACE: 660' FNL, 1980' FEL AT TOP PROD. INTERVAL: AT TOTAL DEPTH: 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	10. FIELD OR WILDCAT NAME East Poplar Field 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 22-T18N-R51E 12. COUNTY OR PARISH 13. STATE ROOSEVELT Montana 14. API NO.
REPORT, OR OTHER DATA REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	15. ELEVATIONS (SHOW DF, KDB, AND WD) 2106' GL, 2118' KB
FRACTURE TREAT SHOOT OR ACIDIZE PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* Setting surface casing XX	(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 12 1/4" hole to 1206' KB. Ran 26 jts 8 5/8", 24#, K-55, ST&C casing, set @ 1146', with Lynes ECP packer @ 684'. Cemented to surface w/760 sx Class "G" and set packer.

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APPROVED BY	TITLE	DATE	
	(This space for Federal or State office us	(e)	
SIGNED Leo A. Heath	ng/s true and correct THILE Project Engineer	C DATE August 14, 1981	
18. I hereby certify that the foregoing	ng s true and correct		
Subsurface Safety Valve: Manu. and		Set @	Ft.

PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON*

(other) Setting production casing

TEXAS OIL & GAS CORP. BILLINGS DISTRICT

UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLO

	Budget Bureau No. 42-R1424
5. LEASE FT PE 14-20-0256-5	
6. IFINDIAN, ALLO Austin R. Bu	OTTEE OR TRIBE NAME
7. UNIT AGREEME N/A	NT NAME

4001			
GEOLOGICAL SURVEYSEP 4 1981	6. IF INDIAN, ALLOTTEE Austin R. Buckle		
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir) Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NA N/A	AME	
1. of gas [8. FARM OR LEASE NAM Buckles 'B'	E	
2. NAME OF OPERATOR	9. WELL NO. #1		
Texas Oil & Gas Corp. 3. ADDRESS OF OPERATOR 59101	10. FIELD OR WILDCAT N East Poplar Fie		
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 660' FNL, 1980' FEL	11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Sec. 22-T18N-R51E		
AT SURFACE: AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	12. COUNTY OR PARISH Roosevelt	13. STATE Montana	
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. 2 ^{APJ} 2 ^{NO} 18-51		
REPORT, OR OTHER DATA	2106' GL, 2118	DF, KDB, AND WD)	
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE	1981 MONOTE: Report results of mu change on Form 9-1	iltiple completian or zone 330.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 7 7/8" hole to 5913'. Ran DLL-MSF log from 5905' - 1178' (loggers measurements) and CNL-FDC Log from 5905' - 4600'. Ran and set 141 jts 4 1/2" 10.5# & 11.6#, K-55, ST&C casing at 5913' with float collar at 5864' and stage cementing collar at 5398'. - Cemented with 485 sacks 65/35 pozmix cement and 225 class 'G' cement in two stages. Released rig 8:00 a.m. 8-24-81.

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FEB 2 5 2000

Subsurface Safety Valve: Manu. and Type	Set @	Ft.
18. I hereby certify that the foregoing is true and correct SIGNED H. J. Kagie TITLE Drilling Engineer DATE	August 24, 1981	
APPROVED BY APPROVAL, IF ANY: (This space for Federal or State office use) APPROVED BY APPROVAL, IF ANY:	9/3/81	

Form 9-331 Dec. 1973 UNITED STATES Bur JUN 10	Form Approved. Budget Bureau No. 42-R1424
DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY SLINDRY NOTICES AND REPORTS ON WELLS	5. LEASE 14-20-0256-5439 Ft. Peck PCS. IEMDIAN, ALLOTTEE OR TRIBE NAME Austin R. Buckles
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
1. oil	8. FARM OR LEASE NAME Buckles 9. WELL NO.
2. NAME OF OPERATOR TXO Production Corp. 3. ADDRESS OF OPERATOR	"B" #1 10. FIELD OR WILDCAT NAME East Poplar Field
1800 Lincoln Center Bldg., Denver, CO 80264 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 660' FNL & 1980' FEL (NW NE) AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH: Same	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T28N-R51E 12. COUNTY OR PARISH 13. STATE ROOSEVELT Montana
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	14. API NO. 25-085-21313 15. ELEVATIONS (SHOW DF, KDB, AND WD) 2106' GL, 2118' KB
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other)	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinent	
Due to unconomic production, TXO Production Co- above well. During plugging operations, the ex will be squeezed and the following plugs will be	xisting perforations

Set 35 sxs cmt plug above perfs
Set cmt plug 50' in & 50' out of prod. csg stub.
Set cmt plug 50' in & 50' out of surf csg shoe.

Set cmt plug 25' above & 25' below Judith River.

Set 15 sxs cmt plug @ surface.

Verbal approval was given by Don Miller at the BLM's Miles City office on May 21, 1984.

Subsurface Safety Valve: Manu. and Type	Set @	Ft.
18. I hereby certify/that the longongoing is true and correct	5	1
SIGNED M. David Cloudere TITLE Drlg. & Prod. En	ginaer June 1, 1984	
APPROVED BY BECEIVE AMM-MINERAL	S DATE JUN 1 3 1984	
CONDITIONS OF APPROVAL IF ANY		-

FEB 2 5 2000

Office of Entorcement Compliance & Environmental Jist destructions on Reverse Side

000389.

P & A - MONTANA

BUCKLES "B" #1
Roosevelt Co./22-28N-51E

- 05/23/84 5840' PBTD, dig out valves. RU Halliburton. Pump 40 bbls of produced wtr dn tbg. Had 1800# @ 4 BPM. Pump 5 bbls fresh wtr. Pump 25 sxs Cl "G" cmt w/ .2% HR-8 retarder. FLush w/ 23 bbls produced wtr. Start to stage cmt for squeeze. Dspl w/ 23.5 bbls total @ end of squeeze. SWI w/ 1000# on tbg. Wait 4 hrs. TP was 1250#. Bled tbg press to 500#. SIFN. DW: 2050. CW: 2050.
- 05/24/84 5840' PBTD, SITP 760#, SICP 790#. Open annulus & bled off press. Tbg press bled off @ same time. Had no indication of fluid entry. MI & RU N. L. Well Service Rig #169. ND wellhead. NU BOP. TOOH w/ 186 jts 2-3/8", 4.7#, J-55, EUE tbg, model "R" single grip pkr, 1 jt 2-3/8" tbg. TIH w/ tbg. Spot 35 sxs Cl "G" emt from 5790-5340'. TOOH & LD 25 jts tbg. SWI. SDFN. DW: 4035. CW: 6085.
- 05/26/84 5840' PBTD, pull csg out of slips. NU BOP. RU Wisco csg crew. LD 4000' of 4-1/2" csg. RD csg crew. TIH w/ 2-3/8" tbg to 2450'. RU Halliburton. Pump 40 sxs Cl "G" cmt from 2450-2350'. TOOH & LD tbg to 1200'. Pump 35 sxs cmt from 1200-1100'. TOOH & LD tbg to 950'. Pump 50 sxs cmt from 950-800'. TOOH & LD tbg. Pump 15 sxs cmt @ surf. RD Halliburton. ND BOP. RD N.L. & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 14,055. CW: 28,337.

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Form 9-331 Dec. 1973

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE CHANGE ZONES ABANDON * (other)

DEPARTMENT OF THE INTERIOR MANAGED	Form Approved. Budget Bureau No. 42-R1424 100 5. DEASE 14-20-0256-5439 Ft. Peck 16 Land 6. IEINDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELL Co not use this form for proposals to drill or to deepen or plug back to a direction. Use Form 9-331-C for such proposals.)	Austin R. Buckles 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME
1. oil gas other 2. NAME OF OPERATOR	Buckles 9. WELL NO. "B" #1
TXO Production Corp. 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME East Poplar Field
 Lincoln Center Bldg., Denver, CO 802 LOCATION OF WELL (REPORT LOCATION CLEARLY. See space below.) 	
AT SURFACE: 660' FNL & 1980' FEL (NW NE) AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH: Same	12. COUNTY OR PARISH 13. STATE ROOSEVELT Montana 14. API NO.
.6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NO REPORT, OR OTHER DATA	

change on Form 9-330.)

(NOTE: Report results of multiple completion or zone

measured and true vertical depths for all markers and zones pertinent to this work.) the nlugging operations

2118' KB

CONDITIONS OF APPROVAL:

Please be advised that final abandonment shall not be approved until the surface reclamation work required by the approved drilling permit or approved subsequent report of abandonment notice has been completed to the satisfaction of the surface management agency. Upon completion of reclamation work, the lessee or operator shall notify the Bureau of Land Management, Miles City District, Division of Minerals via Sundry Notice (form 3160-5) when the location is ready for inspection as per Operating Order # 1, Section V. Bond liability for the location shall not be terminated until approval of final abandonment by the Miles City BLM.

SUBSEQUENT REPORT OF:

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and

SIGNED M. David CIO	iatre	Ly & Prog Engi	aeer_	June 1, 1984
4	- (This space for	Federal or State office use)		1
CONDITIONS OF PROVACE	TITLE _	ADM-MINERALS	DATE	JUN 1 3 1984

FEB 25 2000

Office of Enforcement Compliance & Environmental Justice

"See Instructions on Reverse Side

Billings, Montana

TEXAS OIL & GAS CORP. MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: June 18, 1981

WELL NAME: Buckles "B" #1

LOCATION: 660' FNL, 1980' FEL, Section 22-T28N-R51E, Roosevelt Co., Montana

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 660' FNL and 1980' FEL of Section 22-T28N-R51E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Poplar, east on Highway 2 approximately 4.5 miles to Flaxville blacktop road. Turn north, proceed 4.0 miles to section road. Turn west, proceed 2.0 miles to section road. Turn north for I mile to an intersection. Turn right and proceed 0.62 miles to the proposed access road.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The roads leading to the access road are well traveled. The road from Highway 2 is a blacktop county road. The section roads are graded, gravelled and well traveled. Only the access road will require any maintenance. During wet periods, some maintenance may be required to allow travel by drilling rigs and well service vehicles. During dry periods, wetting the access road may be required to control dust.

PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road approximately 0.1 mile long will be constructed from the north section line of Section 22-T28N-R51E. The road will proceed due south to the drill site. The road will be 18-20 feet wide, with minimal grade. No drainages will be crossed. If the well is commercially productive, the road will be bar-ditched and crowned to facilitate drainage. See Exhibit 5.

3. LOCATION OF EXISTING WELLS

Exhibit 6 is a one-mile radius locating and identifying the following:

- A. Water Wells None
- B. Abandoned Wells Murphy Oil Unit #72, Sec. 22-T28N-R51E

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Office of Enforcement Compliance & Environmental Justice

U. S. Geological Survey RECEIVED

C. Temporarily Abandoned Wells - None

JUN 22 1981

D. Disposal Wells - None

Billings, ivontana

E. Drilling Wells - None

F.

Producing Wells - Mesa 1-22 Biere, Sec. 22-T28N-R51E

Murphy Oil Unit #22, Sec. 14-T28N-R51E

Murphy Oil Unit #55, Sec. 23-T28N-R51E

Murphy Oil Unit #32, Sec. 15-T28N-R51E

TXO Buckles "A" #1, Sec. 22-T28N-R51E

G. Shut-In Wells - None

H. Injection Wells - Mesa, Sec. 22-T28N-R51E

TXO Buckles "A" #1 Injection Well, Sec. 22-T28N-R51E

I. Monitoring or Observation Wells for Other Reasons - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator:
 - 1. Tank Batteries Buckles "A" #1, Sec. 22-T28N-R51E
 - 2. Production Facilities Buckles "A" #1, Sec. 22-T28N-R51E
 - 3. Oil Gathering Lines None
 - 4. Gas Gathering Lines None
 - 5. Injection Lines None
 - 6. Disposal Lines None
- B. If new facilities are contemplated, in the event of production show:
 - Proposed location and attendant lines in relation to the well pad. Refer to Exhibit 7.
 - 2. Dimensions of facilities. Refer to Exhibit 7.
 - Construction methods and materials: Water production will be contained in a bar production pit according to NTL-2B specifications. A production unit will-be set. All connection work will be done by an oilfield service company using standard oilfield materials.
 - Protective devices and measures to protect livestock and wildlife: The water production pit will be fenced and flagged to protect animals.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water for drilling purposes will be purchased from a commercial water hauler and hauled from Plentywood, Montana.
- B. Method of transporting water: Water will be transported via truck over the access route described in Section IB of the MSUOP. No new roads will be required.
- C. If water well is to be drilled, so state: No water well is contemplated.



JUN 22 1981

6. SOURCES OF CONSTRUCTION MATERIALS

Billings, Montana

- A. Show information either on map or by written description: It is not anticipated that any materials for construction will be required beyond materials from the minimal cut on the location.
- B. Identify if from Federal or Indian Land: The surface is owned by Austin R. Buckles.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: None to be transported.
- D. Show any needed access roads crossing Federal or Indian lands. Refer to Exhibit 5.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be separated by screen and gravity and contained in the reserve pit and subsequently covered when the pit is filled.
- B. Drilling fluids to be contained in the reserve pit and allowed to evaporate prior to filling.
- C. Produced fluids will be contained in the reserve pit and allowed to evaporate prior to filling.
- D. Sewage Portable toilet will be provided.
- E. Garbage will be placed in a trash pit, fenced and covered with a small mesh wire fence for burning and burial after completion of the well.
- F. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and surface refuse will be disposed of by burial in the trash pit or by removal from the location. All pits will be filled after drying and all areas restored as under Item #10.

8. ANCILLARY FACILITIES

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross-section and plan view of drill pad with cuts and fills: Refer to Exhibits 8 and 9.
 - B. Location of mud tank, reserve pit, burn pit, trash pit, pipe racks and living facilities: Refer to Exhibit 10.
- C. Rig orientation, parking area: Refer to Exhibit 10.
 - D. Statement regarding pit lining: The reserve pit will be lined with plastic for drilling operations.

FEB 2 5 2000

				<u> </u>			*** 11 1 1 7 ***	
727 1-322 (40-5-65)	DEPARTM	INITED ST IENT OF T OLOGICAL S	HE IN	SUBMI	T IN DUPLICATION (See of atructic reverse	her in- na on side) 5.	LEASE DESIGNATION 14-20-02	
WELL COX	APLETION O	R RECOMPLI			AND LOG		Austin F	OTTEE OR TRIBE NAME R. Buckles NT NAME
	WORK DEEP-	PLITG D	PIFF. C	Other			N/A FARM OR LEAS Buckles	
3. ADDRESS OF OPERA	ction Corp. ana Avenue,		Billings	, MT 59	101		WELL NO. #1 . FIELD AND PO	OOL, OR WILDCAT
· .	(Report location cl. 0' FNL, 1980	' FEL	ince with any	, State requir	ementa)*	11	East Pop	olar OH BLOCK AND SURVEY
At total depth			PERMIT NO.		DATE ISSUED	12	Sec. 22	, T28N, R51E :
	16. DATE T.D. REACH	150 17. DATE COMP 10-19-		prod.) 18.	7-13-81 SLEVATIONS (DF 2106 GF		Rooseve]	Montana 2106'
8-11-81 · · · · · · · · · · · · · · · · · · ·	5	835'	22. IF MULT HOW, M. SIN			TALS RE	-5913'	CABLE TOOLS
5802-5804	Charles "C		UM, NAME (SI	D AND TVD)*				None
GR-DLL-M		-FDC-CAL	CORD (Per	ort all strings			27.	NO .
CASING SIZE	WEIGRT, LB./FT.	DEPTH SET (ND) Hot	E SIZE		HTING RECO	ORD .	AMOUNT PULLED
8-5/8'' 4-1/2''	24 10.5 § 11.6	1146 5913		/4'' /8''				- None -
29 SIZZ		ER RECORD	CEMENT	SCREEN (MC	30. Size		ING RECORD	PACKER SET (MD)
· ·								
5806 - 580 5802 - 580	8' w/2 JSPF 4' w/2 JSPF	nd number) - -	•	32. DEPTH INT 5806-5	ERVAL (ND)	AMOUN	T AND KIND OF	MATERIAL USED
	,			_5806-5 _5802-5	808'	Squee	zed w/189 al acid	
33.* DATE FIRST PRODUCTION 9-6-81	N PRODUCTION Flow	ing		OUCTION Imping—size	and type of pum;)	well star shut-in) Shut	
10-18-81	HOU'RS TESTED	CHOKE SIZE PA	OD'N. FOR ET PERIOD	011—88L.	CAS—MCF		622	TSTM

*(See Instructions and Spaces for Additional Data on Reverse Side)

GAS-MCF.

TSTM

WATER-BBL.

TEST WITNESSED BY

DATE .

36. I hereby certify that the foregoing and affached information is complete and correct as determined from all available records

TITLE

01L-EDI...

. CASING PRESSURE

pkr.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

756

FLOW, TUBING PRESS.

Vented 25. LIST OF ATTACHMENTS

200

SICNED .

CALCULATED 24-BOI-B RATE

000385

TSTM 39.60

INSTRUCTIONS 18

General: This form is designed for submitting a complete and correct well completion report and log on all types of finds and leanes to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Heins 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land about be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Coment": Attached supplemental records for this well should show the details of any multiple stage ecmenting and the location of the cementing tool.

item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION TOF		KOTTOO .		DESCRIPTION, CONTENTS, ETC	HAMB	<u></u>	or
		· ·	1,4		FAND	MEAH. DEFTE	THUS YERT, DECT
							·
3.							
							*

OPERATIONAL SUMMARY

10.0

AND

GEOLOGICAL WELL HISTORY

TEXAS OIL AND GAS CORP.

Buckles "B" #1

C NW NE Section 22-28N-51E
(660'Fn1 - 1980'- Fe1)
Roosevelt County, Montana

TEAGUE GEOLOGICAL, INC. 147 Main Street Shelby, Montana Carter Stewart, Geologist

RECEIVED

FEB 2 5 2000

RESUME '

Spud Date: Completion Date:

Status: Elevation: Total Depth: Casing:

Contractor: Type Rig: Type Mud Pumps: Mud Program: Hole Size: Size Drill Pipe:

Size Drill Collars: No. Drill Collars:

Sample Interval: Sample Quality:

Cores:

Drill Stem Tests:

August 11, 1981

August 23, 1981 (Ran 4½" production casing) Probable Charles "C" Zone Oil Well(W.O.C.T.)

2106' G.L. 2119' K.B. 5920' Driller 5905' Logger

8 5/8", 24#/ft., 26 joints set @1149' K.B.

.w/700 sx

4½", 19 joints, 11.6#/ft. 122 jts. 10.5#/ft.

set at 5910' KB w/720 sx

Bird Drilling Company, Ltd. Rig No. 5

National 370

Emsco DB 550 (16"x5\frac{1}{2}") Emcso D375(14"x5\frac{1}{2}")

Chemical and Gel (salt mud)

12½" (0-1210') sfc; 7 7/8"(1210'-5920') Main

4½" X-hole 4½" 0.D.x 2½" I.D. 4½" h-90 6½" 0.D. x 2½" I.D.

19 (590')

30' (5000;-5300') 10' (5300'-5820')

Fair None None

SAMPLE DISTRIBUTION

Texas Oil and Gas Corporation, 2705 Montana Ave., Ste #300, Billings, Montana 59101 Montana Oil and Gas Commission, 2385 St. Johns Ave., Billings, Montana 59102

LOGGING PROGRAM

Ran Schlumberger Logs: Simultaneous Compensated Neutron Formation Density from 5902' to 4600' - Simultaneous Dual Laterolog Micro-SFL from 0-5904'. Syberlook from 5500' tp 5905'

MUD SUMMARY

Salt Gel	353	sx	Starch	192	sx
Lime		sx	Preservative		SX
Salt		SX	Chromate		sx
Floculant	3	SX	Mica	50	sx
Cedar Fiber	18	ev.		-	- 10

RECEIVED

FEB 2.5 2000

Office of Enforcement
Compliance & Environmental
Justice

BIT RECORD

No.	S	ize	Make	Туре	Interval	Footage	Hours	Jet Size	Serial No.
1A		1/4	HTC	OSC3-A	0-859	859	13 1/4	3(20)	RT
1B	12	1/4	HTC	OSC3-A	859-1210	381	3 1/4	3(20)	MV 089
1	7	7/8	STC	SDS	1210-3485	2275	13	3(16)	BC 814
2	7	7/8	STC	SDS	3485-3984	499	12 3/4	3(15)	BC 7562
3	7	7/8	STC	S84F	3984-5087	1103	71 1/4	3(15)	788809
4	7	7/8	HTC	J-22	5087-5890	804	61 1/4	3(15)	MF 732
5	7	7/8	STC	F-3	5890-5920	30	2	3(15)	BL 5411

VERTICAL HOLE DEVIATION SURVEYS

Depth	Degrees
1210	2
1800	1
2328	2
2981	11/2
- 3356	11/4
3485	1
3984	1
4611	11/2
5081	1
5567	1
5920	1

ELECTRICAL LOG FORMATION TOPS

Cretaceous:		Depth	Datum
Greenhorn		2366	- 247
Muddy		2958	- 839
Jurassic:			
Rierdon		4128	-2009
Piper Lime	**	4366	-2247
Permian:			
Amsden		4744	-2625
Pennsylvanian:			
Tyler		4864	-2745
Mississippian:			
Otter		4912	-2793
Kibby Sandstone		5174	-3055
Kibby Limestone		5306	-3187
Charles		5481	-3362
'B' Zone		5648	-3525
Greenpoint A	nhydrite	5717	-3598
'C' Zone	RECEIVED	5804	-3685
Total Depth:	FEB 2 5 2000	5905	-3786

DAILY ACTIVITY SUMMARY (CALENDAR DAYS)

- August 8, 1981 Move in and rig up Bird Drilling Company, Ltd. Rig No. 5: Work on rig

 August 9, 1981 Put draw works together and work on rig
- August 10, 1981 Work on rig
- August 11, 1981 Work on rig: Rig up to drill
- August 12, 1981 Spud 12½" surface hole:drilled 12½" surface hole from 0-859': tripped for Bit 1B:drilled 12½" surface hole from 859;-1210': Ran 26 jts. 8 5/8" casing, 24#/ft set at 1149' KB; cemented with 700 sx 2% CaCl, type G cement; plugged down 10:30 p.m.: good returns
- August 13, 1981 W.O.C.:nipple up: pressure up BOP: drilled out at 10:00 P.M.: drilled 7 7/8" hole from 1210' to 1612'
- August 14, 1981 Drilled 7 7/8" hole from 1612-3485': Come out of hole; put on shock sub and Bit No. 2: drilled 7 7/8" hole from 3485' to 3737'
- August 15, 1981 Drilled 7 7/8" hole from 3737' to 3984': trip for Bit No. 3: Drilled 7 7/8" hole from 3984' to 4192'
- August 16, 1981 Drilled 7 7/8" hole from 4192' to 4569'
- August 17, 1981 'Drilled 7 7/8" hole from 4569' to 4847'
- August 18, 1981 Drilled 7 7/8" hole from 4847' to 5087' Trip for Bit No. 4: drilled 7 7/8" hole from 5087' to 5093
- August 19, 1981 Drilled 7 7/8" hole from 5093' to 5411'
- August 20, 1981 Drilled 7 7/8" hole from 5411' to 5722'
- August 21, 1981 Drilled 7 7/8" hole from 5722' to 5884': Lost circulation: Circulate LCM: Drilled 7 7/8" hole from 5884' to 5890': Trip for Bit No. 5
- August 22, 1981 Drilled 7 7/8" hole from 5890' to 5920' T.D.: Condition hole for loggers: Ran Schlumberger Logs. Condition hole for casing
- August 23, 1981 Ran 4½" production casing; 19 joints 11.6#/ft, 122 joints 10.5#/ft. stage collar set at 5398' K.B.; shoe set at 5910' K.B., cemented with 110 sacks Class G cement; lead, 485 sacks 65-35 fac; tail, 125 sacks Class G cement: Report Ends.



FEB 2 5 2000

LITHOLOGY

Sample descriptions begin at 5000' in Mississippian Otter beds. Samples are corrected for drill time lag. Samples were examined and described wet. Carbonates were described dry. Formation tops were determined from electrical logs.

SAMPLES CAUGHT IN 30' INTERVALS:

5000-30	Shale, green to grayish green, firm, chunky, waxy, silty in part, somewhat calcareous, variegated in part. Also tan, fragmental, firm to hard, massive to somewhat granular, very calcareous limestone that is oolitic in part, no shows
5030-60	Shale, dk gray to greenish gray, gritty, silty in part, chunky, dense, firm to soft, somewhat calcareous. Also limestone as above
5060-90	Shale, dk gray to lt gray, earthy to gritty, chunky, firm to soft, marly, very calcareous, dense
5090-5120	Shale, dk gray to light gray, gritty, chunky, firm, calcareous in part, dense. Some brown to light brown, cryptocrystalline, massive in part, fragmental, firm, very calcareous, tight, lime stringers
5120-50	Siltstone, light gray, friable, shaly, abrasive, gritty, quartzose, slightly calcareous matrix. Also limestone, tan, massive to granular, cryptocrystalline to microcrystalline in part, fragmental, firm, dull yellow mineral fluorescence but no cuts

5174 - E LOG TOP -KIBBY SANDSTONE

5150-80	Sandstone, white to lavender to red, very fine to fine grained, poorly sorted, firm to friable, subrounded quartzose grains, calcareous matrix, appears tight; much tan to light brown fragmental,
	cryptocrystalline to sublithographic firm, dense limestone. Dull yellow mineral fluorescence, no cuts

Sandstone, white to lavender to red, very fine to medium grained, poorly sorted, subrounded, quartzose, clear to somewhat frosted grains, friable with a calcareous matrix, intergranular porosity seems poor, no shows

Sandstone, red, very fine to medium grained, poorly sorted, subrounded quartzose grains, clear to milky, trace green grains, friable, calcareous matrix, intergranular porosity seems poor, trace coarse grains, many quartz grains stained red, no shows

5240-70 Sandstone as above

5270-5300 Sandstone as above, becoming slightly finer grained

BEGIN 10' SAMPLES:

5306 - E LOG TOP - KIBBY LIMESTONE

FEB 2 5 2000
Office of Enforcement
Compliance & Environmental
Justice

5300- 10	Sandstone, red, silt to fine grained, poorly sorted, subrounded, calcareous matrix, friable, quartzose, clear to milky grains, appears tight, no shows
5310-20	Limestone, white to tan to light brown, fragmental, cryptocrystalline to microcrystalline, sucrosic in part, firm, very calcareous, granular and massive in part, no good intercrystalline porosity noticeable, trace bright yellow fluorescence producing slow flowing cuts. May be contamination
5320-30	Sandstone, white to dirty white, silt to fine grained, trace medium grains, subangular to subrounded, clear to somewhat frosted quartzose grains, very calcareous matrix, friable, appears tight, poorly sorted, poor intergranular porosity, no shows. Much limestone as above
5330-40	Sandstone, red, silt to very fine grained, poorly sorted, friable to firm, quartzose, matrix is slightly calcareous, appears tight, no shows
5340-50	Sandstone as above, also limestone; tan, fragmental, firm, crypto- crystalline to sucrosic, sublithographic in part, also massive in part, poor intercrystalline porosity, no shows
5350-60	Sandstone as above, red
5360-70	Sandstone as above, red
5370-80	Sandstone as above, red
5380-90	Siltstone, red, chunky, firm, some very fine sand, moderately sorted, calcareous, gritty, abrasive somewhat, trace medium and fine grained quartz grains within, no shows
5390-5400	Siltstone as above, no shows
5400-10	Sandstone, red, very fine grained, moderately sorted to poorly sorted, quartzose, calcareous matrix, trace fine to medium grains, friable, appears tight, no shows
5410-20	Sandstone as above, no shows
5420-30	Sandstone as above, no shows
5430-40	Sandstone as above, no shows
5440-50	Limestone, dirty white to gray, fragmental, firm, cryptocrystalline to microcrystalline, sucrosic and sublithographic in part, intergranular porosity seems poor, very calcareous, scattered bright yellow fluorescence, weak, very faint cuts, fossiliferous in part
5450-60	Limestone, dirty white to gray brown, fragmental firm, microcrystalline to sucrosic, cryptocrystalline in part, fossiliferous in part, no good intercrystalline porosity noticeable, no show
5460-70 RECEIVE	Limestone, gray, microcrystalline to chalky, cryptocrystalline to sucrosic in part, firm, fragmental, no intercrystalline porosity

FEB 2 5 2000 unconsolidated, quartz grains

5481 - E LOG TOP - CHARLES

5480-90	Limestone, gray to gray brown, microcrystalline to sucrosic, massive in part, firm, fragmental, no good inter intercrystalline porosity
	noticeable, scattered bright yellow fluorescence producing slow flowing cuts
5490-5500	Limestone, medium gray to dark gray brown, cryptocrystalline to microcrystalline, sucrosic in part and chalky in part, some noticeable intercrystalline porosity, fragmental, firm, scattered fluorescence producing slow flowing cuts. Trace pink colored lime fragments
5500-5510	Limestone, light gray brown to dark gray brown, cryptocrystalline to microcrystalline, firm, fragmental, massive in part, sucrosic in part, no intergranular porosity noticeable, trace fluorescence, no cuts
5510-20	Limestone, as above, with scattered bright yellow fluorescence that produce slow flowing cuts
5520-30	Limestone, tan to dark gray brown, microcrystalline to cryptocrystalline, massive to sublithographic in part, firm, fragmental, no good intercrystalline porosity noticeable, scattered bright yellow fluorescence producing slow flowing cuts
5530-40	Limestone, dark graybrown, cryptocrystalline to microcrystalline, sucrosic to sublithographic in part, massive, firm, fragmental, no intercrystalline porosity noticeable, appears dense and tight, no shows
5540-50	Limestone as above, no shows
5550-60	Limestone, dark gray brown, microcrystalline to sucrosic, sublithographic in part, vuggy in part, appears to have fair intercrystalline porosity in some fragments, firm, fragmental, no shows
5560-70	Limestone, light gray brown to dark gray brown, cryptocrystalline to microcrystalline, sublithographic in part, massive, firm, fragmental, argillaceous, no good intercrystalline porosity noticeable, dull mineral fluorescence noticeable, no cuts
5570-80	Limestone as above, no shows
5580-90	Limestone, tan to light brown, some dark brown, firm, fragmental, microcrystalline to sucrosic, massive, chalky in part, cryptocrystalline in part, no noticeable intercrystalline porosity, trace fluorescence, no cuts, argillaceous
5590-5600	Limestone as above, also anhydrite: White, amorphous, soft, chunky, noncalcareous, scattered bright yellow fluorescence, producing slow flowing cuts

5610-20	Limestone, tan to lt. gray, firm, fragmental, microcrystalline to cryptocrystalline, sucrosic and sublithographic in part, trace micropyritic specks, massive in part, no noticeable intercrystalline porosity, trace scattered fluorescence that produce weak slow flowing cuts
	flowing cuts

Limestone, tan to brown, cryptocrystalline to microcrystalline, sublithographic in part, massive, firm, fragmental, trace pink lime fragments, micropyritic in part, no noticeable intercrystalline porosity or vugs, trace fluorescence but no cuts

Limestone, white to tan, microcrystalline to granular, sucrosic in part, firm, fragmental, appears to have some intercrystalline porosity (poor to fair), scattered dull fluorescence but no cuts. Also anhydrite; white, soft, crystalline to massive and chalky

5644' - E LOG TOP CHARLES 'B' ZONE

Limestone, tan to graybrown, firm, fragmental, cryptocrystalline to sublithographic, sucrosic to microcrystalline in part, argillaceous, no good porosity noticeable, no shows. Scattered anhydrite as above. Also, coarse, angular, clear, conchoidally fractured, unconsolidated quartz grains

Limestone, tan to dark gray brown, firm, fragmental, cryptocrystalline to microcrystalline, sucrosic in part, coarsely crystalline in rare fragments, appears tight, maybe some intercrystalline porosity, no shows. Scattered quartz as above

Limestone, tan to dark brown, cryptocrystalline to microcrystalline, sucrosic in part, sublithographic in part, firm, fragmental, vuggy in part, many have some porosity, scattered bright yellow fluorescence producing slow flowing cuts. Some anhydrite; white, soft, crystalline to chalky and massive

Limestone, tan to dark graybrown, microcrystalline to sucrosic, sublithographic, cryptocrystalline in part, firm, fragmental, massive in part, no noticeable intercrystalline porosity, no shows. Trace anhydrite as above

5680-90 Limestone as above, no shows. Also anhydrite as above

5690-5700 Limestone as above, no shows

Limestone, tan to white, microcrystalline to sucrosic, coarsty crystalline and granular in part, sublithographic in part, fragmental, firm, many have some intercrystalline porosity, poor if any, trace fluorescence with some very weak cuts

5717' - E LOG TOP - GREENPOINT ANHYDRITE

Limestone, tan to dark gray brown, cryptocrystalline to microcrystalline, sublithographic and massive in part, firm, fragmental, no apparent porosity, scattered bright yellow fluorescence producing slow flowing cuts

FEB 2 5 2000

5720-30	Limestone, tan to dark graybrown, cryptocrystalline to microcrystallic coarsely crystalline in part, also sucrosic and sublithographic in part, also sucrosic and sublithographic in part, firm, fragmental, trace vugs, no apparent porosity, trace bright yellow fluorescence but no cuts	ne,
5730-40	Dolomite, tan to light gray, firm, fragmental, microcrystalline to sublithographic and massive, micropyritic in part, slow fizz in HCl, some limestone, no noticeable porosity, sucrosic in part, no shows	
5740-50	Limestone, tan to gray to brown, cryptocrystalline to microcrystalline sublithographic and massive in part, dolomitic in part, firm, fragmental, no noticeable porosity, no shows, micropyritic in part, trace white, massive to crystalline, soft, anhydrite	2,
5750-60	Limestone, tan to dark gray brown, microcrystalline to sucrosic, firm fragmental, coarsely crystalline in part, may be some small amounts of intercrystalline porosity, dull mineral fluorescence, no cuts	•
5760-70	Limestone as above	
5770-80	Limestone, medium gray to dark graybrown, firm, fragmental, micro- crystalline to sublithographic, massive in part, sucrosic in part, no noticeable porosity, trace fluorescence, no cuts, trace white, crystalline to massive, soft anhydrite	
5780-90	Limestone, gray to dark gray brown, firm, fragmental, cryptocrystalling to very finely microcrystalline, sucrosic in part, dolomitic in part, no noticeable porosity, no shows	1e
5790-5800	Limestone as above, no shows P CHARLES 'C' ZONE RECEIVED	
5800-10	EED 9 = 2000	
BEGIN 5' SAMPL	Office of Enforcement	
5810-15	Limestone, dk brown, cryptocrystalline to sublithographic, massive in part, somewhat sucrosic in part, micropyritic in part, firm, fragmental, trace microcrystalline fragments, no noticeable porosity, scattered bright yellow fluorescence that produce weak slow flowing cuts	
5815-20	Limestone, dk graybrown, cryptocrystalline to microcrystalline, sucrosic in part, firm, fragmental, trace coarsely crystalline fragments, micropyritic, no noticeable intercrystalline porosity, scattered bright yellow fluorescence, very weak cuts	
5820-25	Dolomite, light brown, very finely microcrystalline to sucrosic. soft, vuggy in part, some scattered, black tarry residue within, slow fizz in HCl, scattered fluorescence that produce slow greenish yellow flowing cuts	
5825-26	Dolomite, light brown to brown, very finely microcrystalline to sucros soft, vuggy in part, scattered black tarry residue within, slow fizz i HCl, scattered bright greenish yellow fluorescence that produce slow flowing greenish yellow cuts	íc,
	- 8 - 000466	;

5826-32	Limestone, brown, very finely microcrystalline to sucrosic, firm, fragmental, no noticeable porosity, no shows, trace amounts of dolomite as above
5832-37	Dolomite, lt brown to brown, very finely microcrystalline to sucrosic, soft, poor to fair intercrystalline porosity, scattered yellowishgreen fluorescence that produce slow flowing cuts. Some black tarry residue within fragments
5837-40	Dolomíte, as above, fluorescence and cuts as above
5840-50	Limestone, gray to graybrown, firm, fragmental, dolomitic in part, microcrystalline to sublithographic, massive in part, micropyritic in part, no noticeable porosity, no shows
5850-60	Limestone as above, no shows
5860-70	Limestone, dk gray to gray brown, very finely microcrystalline to massive, firm, fragmental, sublithographic in part, no noticeable porosity, no shows
5870-80	Limestone, dk gray to dk graybrown, cryptocrystalline to microcrystalline, sucrosic in part, massive in part, firm, fragmental, no noticeable porosity, no shows
5880-90	No sample recovered due to L.C.M.
5890-5900	No sample recovered due to L.C.M.
5900-10	Limestone, tan to very dark gray brown, cryptocrystalline to micro- crystalline to massive, sucrosic in part, soft to firm, chalky in some soft fragments, no noticeable porosity, scattered bright yellow fluorescence, producing weak slow flowing cuts
5910-20	Limestone, white to tan to dark gray, microcrystalline to cryptocrystalline, to massive, coarsely crystalline in part, sucrosic in part, many have some intercrystalline porosity, scattered bright yellowish white fluorescence, producing slow flowing cuts.
	5920' Total depth by driller
	rear! a l'Estation de l'action de la company

5905' Total Depth by logger

14' Depth discrepancy from pipe strap



MONTANA/NORTH DAKOTA PROJECT DRILLING REPORT Page 1 August 10, 1981

TXO DRILLING - MONTANA:

BUCKLES 'B' #1 (6000') Prop. #92287, Afe #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E 8/10/81 MIRU Bird Rig #5

8/11/81 Rig shut down for routine maintenance. Will spud 8/12/81.

8/12/81 860' (860'). Drlg Surface. 10.1/41/NC. Spudded @ 10:00 pm 8/11/81. Drld 12½' hole to 860', TFB. Day 1. (CWC \$29,400).

8/13/81 1206' (346') WOC. Set pipe @ 1149') Ran 26 jts 8-5/8", 24# K-55 csg to 674', cem w/760 sx C1 G. Good circulation. Float held & pkr set. Day 2. (CWC \$59,863).

8/14/81 2460' (1256'). Drlg. Drill out csg shoe @ 11pm 8/13/81. Day 3. (CWC: \$90,583).

8/15/81 3974' (1514'). Drlg. 9.7/39/20.5 Day 4. (CWC \$125,583).

8/16/81 4300' (326'). Drlg. 10.4/32/18. Day 5. (CWC \$137,383).

8/17/81 4680' (380'). Drlg. 10.5/32/18. Day 6. (CWC \$147,363).

8/18/81 4975' (295'). Drlg. Spearfish. 10.5/34/15. Day 7. (CWC \$155,343).

8/19/81 5200' (295'). Drlg. Kibbey. 10.4/32/17. Day 8. (CWC \$164,273).

8/20/81 5525' (325'). Drlg. Kibbey. 10.3/32/15. Day 8. (CWC \$221,275).

8/21/81 5810' (275'). Drlg. Charles "B". 10.5/35/11. Day 8. (CWC \$185,707).

8/22/81 59

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Office of Enforcement Compliance & Environmental Justica 5913' (103'). C&C. Charles ''C''. 10.6/36/10. Lost circ @ 5884'. Lost approx 300 bbls. Regained circ. Drld to 5920'. Lost another 70 bbls mud. Day 9. (CWC \$190,087).

MONTANA/NORTH DAKOTA PROJECT DRILLING REPORT Page 2

TXO DRILLING - MONTANA:

BUCKLES "B" #:	1 (6000')
Prop. #92287,	AFE #81-1217
Roosevelt Co,	MT/TXO 100%
22-T28N-R51E,	Bird Rig #5

8/23/81 5913' (0'). TOOH. Charles ''C''. C&C 2½ hrs. TOOH. Ran DLL-MSFL from 5905-1178' & FDC-CNL from 5905-5700'. TIH. C&C. TOOH. Day 10. (CWC \$222,345).

8/24/81	5913' (0'). RD RT. Charles "C".
	Ran 141 jts 4½" 10.5# & 11.6# csg.
	Set @ 5913' w/FC @ 5863 & DV @ 5398'
	Cmt 1st stage w/100 sxs Class "G".
	Cmt 2nd stage w/485 sxs 65/35 poz.
	Tailed in w/125 sxs Class "G". Had
	good circ thruout. BP @ 1:30 pm
	8/23/81. Waited 12 hrs. Set slips
	@ 6 pm 8/24/81 & RR @ 8 am 8/24/81.
	Day 11. (CWC \$292,377

COMPLETION:

8/25/81 WOCR. (CWC \$292,377).

8/26/81 WOCR. (CWC \$292,377).

8/27/81 WOCR. (CWC \$292,377).

8/28/81 WOCR. (CWC \$292,377).

TXO COMPLETION:

8/29/81 WOCR.

8/30/81 TIH w/bit & scrpr. (\$330,505).

8/31/81 SDFWE. (\$330,505).

TXO COMPLETION:

BUCKLES 'B' #1 (6000') Prop. #92287, AFE #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E 9/1/81 Drlg out cem. Tagged cmt @ 5115', drld 250' cem. Drld thru DV tool. (CWC \$334,305).

9/2/81 5835'. TIH. Drld out FC & cmt to 5835'. TOH. Ran GR-CCL log. (CWC \$341,381).

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TXO COMPLETION:

BUCKLES 'B' #1 (6000') Prop. #92287, AFE #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E, NL Well Svc

- 9/3/81 Circ pkr fluid, TOOH, PU Vann 3-5/8" perf gun and Baker model "R" pkr on 188 jts 2-3/8" tbg. Ran in hole w/tools & ran GR-CCL log to correlate setting depth. Set pkr @ 5745' w/18,000 compr. Instld wellhead. Droppe firing bar to perf csg w/Vann gun @ 5806-08' w/4 JSPF. No flow into well. Fished firing bar w/WL & released Vann gun. Btm OE tailpipe @ 5788', Baker profile SN @ 5711'. SDFN. (CWC \$358,190).
- 9/4/81 RU Western & acidized perfs w/200 gal 15% spearhead acid, BDP=3100#, broke to 1800#, dec rate to 1/2 BPM @ 500#, ISIP= 300#, 27 BLTR, flowed acid wtr to pit, turned flow to test tan flowing 1/2" stream on 10/64" ch @ 225# FTP. Left flowing overnight. (CWC \$246,918).
- 9/5/81 Ck plugged. SITP = 500 psi, cleaned out ck, flowing @ 375-400 psi w/12/64" ck, trace oil w/heavy emulsion in wtr. Left flowing overnight. (CWC: \$246,918).
- 9/6/81 Ck plugged. Shut well in.
 Fluid rec in 2 days intermitten
 flowing = 7 BO & 18 BW.
 (CWC: \$246,918).
- 9/7/81 SI. (CMC: \$246,918).
- 9/8/81 SI. (CMC: \$246,918).
- 9/9/81 Opened to flow @ 3:00 p.m.
 9-8-81, initial flow temp. =
 67°F. Flowed 1½ hrs to tank,
 flow temp increased to 80°F,
 rec 25 RF @ 210 psi FTP on
 19/64" ck. Continue to flow
 overnight. (CVC: \$246,918).

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Office of Enforcement
Compliance & Environmental

Justice

BUCKLES "B" #1 (6000') Prop. #92287, AFE #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E, NL Well Svc

- 9/10/81 Flowed 18 BO & 242 BW in 15 hrs on 19/64" ck @ 350 psi FTP, wellhead temp = 110°F, 10 min SITP = 600 psi, opened on 12/64" ck @ 425 psi FTP, wellhead temp = 113°F, continue flowing. (CWC: \$246,918).
- 9/11/81 Flowed 7 BO & 210 BW in 24 hrs on 12/64" ck w/425 psi FTP, flowing wellhead temp dec to 95°F. Water analysis indicates channeling. (CWC: \$246,918).
- 9/12/81 RU C.A. White Wireline & set a plug in the "F" nipple @ 5710". RU NL Well Syc. Release pkr & pull up to 3800" w/2 3/8" tbg. Retrieved wireline plug. Opened well to flow on 12/64" ck. SDON. (CWC: \$250,773)
- 9/13/81 WHP 500 psi. Ck was plugged off. Cleaned ck & opened well to tank on 12/64" ck. Flowed well 1½ hrs RU Gearhart & ran diff. temp logs. RU Halliburton & pumped 10 bbls fresh wtr, 20 bbls Tem-block 50 & 10 bbls fresh wtr. Displaced w/heavy salt wtr. Initial pump in pressure 1 BPM @ 3000#. Displaced @ 2½ BPM @ 1000#. Circ hole w/heavy salt wtr. SDFWE. (CWC: \$260,373)
- 9/14/81 Well SI for Sunday. Prep to TOOH w/tbg. (CWC: \$260,373).
- 9/15/81 SITP = 50 psi, pulled tbg & pkr from 3800' to 800' with well flowing, SD to set WL tbg plug. SITP inc. from 100 psi to 220 psi in 2½ hrs. Set tbg plug in ''F'' nipple. Ran tbg & pkr to 4280'. Prep to circ salt wtr to kill well. (CWC: \$264,348).

BUCKLES 'B' #1 (6000') Prop. #92287, AFE #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E, NL Well Svc

- 9/16/81 SITP = 75 psi, pulled tbg & pkr. TIH w/overshot & rec Vann perf gum. Well flowing during trip @ est 150-180°F, oil cut inc from 1% to 10% @ end of day, no gauge on flow. SDFN. (CWC: \$267,448)
- 9/17/81 SITP 400 psi. Blew down pres.
 TOOH w/ tbg. RU Gearhart Wireline & ran a CBL-GR from 5830' to
 4285' (cmt top). Log showed good bond 5000' TD, partial bond
 4700' 5000' & poor bond above
 4700'. TIH w/pkr, 2 3/8" tbg.
 Set tailpipe @ 5766' w/pkr @
 5735' w/10,000# compression.
 NU wellhead & opened well on
 28/64" ck. (CWC: \$271,835)
- 9/18/81 Flowed well on 16/64" ck, FTP = 280 psi, tested 22 BFPH w/2½% oil cut. (CWC: \$271,835).
- 9/19/81 Flowed 340 BF in 21 hrs, no oil, 13/16" ck, FTP 325 psi.
- 9/20/81 Flowed 450 BF w/10 BO in 24 hrs, 16/64" ck.
- 9/21/81 Flowed 460 BF w/11 BO in 24 hrs, 16/64" ck. (CWC: \$271,835).
- 9/22/81 RU NL Well Service, release & pull the & pkr, prepare to run cmt retainer. SDFN. (CWC: \$271,835)
- 9/23/81 SICP = 430 psi. Ran Howco cmt
 retainer on 2 3/8" tbg, set @
 5645'. RU Halliburton, estab.
 rate of 3 BPM at 1000 psi.
 squeezed w/100 sx Cl "G" w/.8% FLA
 @ 2 BPM w/800 psi, did not squeeze,
 stung out of retainer, reverse
 circ tbg. SDFN.
 (CWC: \$281,081)
- 9/24/81 Stung into retainer, pressured to 1300 psi, held ok. TOOH w/tbg. TIH w/ 3-7/8" bit & scraper. (CWC: \$283,785)

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FEB 2.5. 2000 Office of Enforcement Compliance & Environmental Justice BUCKLES "B" #1 (6000') Prop. #92287, AFE #81-1217 Roosevelt Co, MT/TXO 100% 22-T28N-R51E, NL Well Svc.

- 9/25/81 Drld out cmt retainer @ 5645'. Hit top cmt @ 5650', drilling out cmt. (CWC: \$287,156).
- 9/26/81 Drld out cmt to PBTD 5840', pressured csg to 1600#'& bled off immediately. Prep to squeeze again. (CWC: \$290,168).
- TIH w/Model "R" pkr, set @ 9/27/81 5675' w/TP @ 5705'. RU Western. Squeezed w/50 sx Class 'G' cmt w/0.2% WR-6 0.5% CF-6, pmpd @ 1/2 BPM & 2000 psi, dec to 3/4 BPM & 1500 psi, displaced to perfs & squeezed off w/2100 psi, attempted to reverse out cmt w/o success, pressured tbg to 4000 psi & held. Pulled pkr up to 1200', re-pressured tbg to 4000 psi & cleared cmt TOOH. SDFN. from tbg. (CWC: \$296,471)
- 9/28/81 SDFWE.
- 9/29/81 TIH w/bit & scraper. Drill out cmt stringers from 600' to 5700'. SDFN. (CWC: \$300,071)
- 9/30/81 Drilled out cmt to PBTD, perfs clear of cmt. Ran Mod "R" pkr to 5675', TP @ 5705'. Squeezed perfs w/35 sx Class "G" w/
 .4% WR-6, .6% CF-6 & .35% silica flour, pmpd in @ 1/2 BPM w/1500 psi, pmpd in stages and squeezed @ 2100 psi. Pulled pkr. SDFN. (CWC: \$303,633).
- 10/1/81 Drld out cmt from 5780' to 5820'. Pmpd into perfs @ 2 BPM w/1100 psi. SDFN. (CWC: \$306,957)
- 10/2/81 Pulled bit & scraper. RU Gearhart.

 / Perfed @ 5802'-04' w/2 JSPF,
 total 9 shots w/3-1/8" HSC gum.
 Ran 2 3/8" thg w/Model "R"

 pkr set @ 5735' w/TP @ 5766'.

 Opened well to flow @ 3:30 pm.
 FTP = 260 psi w/12/64" ck.

 (CWC: \$307,875).

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FFO 2.5 2000

1 (6000') AFE #81-1217 MT/TXO 100% NL Well Svc.

- 10/3/81 Ck plugged, TP = 390 psi.
 Cleaned out ck, left flowing
 on 12/64" w/FTP = 50 psi,
 flowed 30 bbls load wtr in
 8 hrs.
- 10/4/81 Flowed 25 BF w/no oil in 8 hrs, 12/64" ck, FTP 150 psi.
- 10/5/81 Flowed 25 BF in 22 hrs w/oil trace, 12/64" ck, FTP 210 psi. Prep to acidize. (CWC: \$310,875)
- 10/6/81 Acd perfs w/200 gal 15% Spearhead acid, ATP = 800 psi @ 1 BPM, ISIP = 750 psi, flowed on open ck @ 120 psi, left flowing overnight on 12/64" ck. Ck plugged during night. SITP = 300 psi this AM, prep to acd w/diverting agent. (CWC: \$313,949)
 - RU Western, estab rate 3 BPM
 @ 1300 psi, pmpd 250 gal
 diverting agent of 40# gel
 w/300# benzoic acid flakes &
 9 ball sealers, followed w/500
 gal 15% Spearhead acid. BDP =
 2300 psi, ATP = 1500 psi @ 1.6
 BPM, ISIP = 650 psi. 73 BLWTR.
 Started flowing back on 12/64"
 ck w/290 psi FTP.
 (CWC: \$317,317)
 - Flowed 40 bbls LW in 3 hrs, opened to 16/64" ck, well died during night, SITP = Ø. Opened wellhead & blew out solid plug of diverting material, well flowing on 16/64" ck, FTP = 300 psi. (CWC: \$317,317).
 - 10/9/81 Flowed 216 BF in 18 hrs w/5% oil cut, FTP = 350 psi on 16/64" ck, fluid warming up. (CWC: \$317,317)

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MONTANA/NORTH DAKOTA PRO. T DRILLING REPORT TXO PRODUCTION CORP. Page 8

BUCKLES "B" #	
Prop. #92287,	AFE #81-1217
Roosevelt Co,	MT/TXO 100%
22-T28N-R51E,	NL Well Svc.

715K- -

10/10/81	Flowed	20 BO	, 410 BV	V in	24	hrs.
	FTP 31	O psi,	16/64"	ck.		

- 10/11/81 Flowed 3 BO, 107 BW in 24 hrs. FTP 310 psi, 16/64" ck.
- 10/12/81 Flowed 5 BO, 350 BW in 24 hrs. FTP 310 psi, 16/64" ck. (CWC: \$317,317).
- 10/13/81 Flowed 5 BO & 445 BW in 24 hrs. FTP = 300#, 18/64" ck. (CWC: \$317,317)
- 10/14/81 Flowed 3 BO & 100 BW in 24 hrs on 12/64" ck. FTP = 405 psi.
- 10/15/81 Flowed 43 BF in 24 hrs w/trace oil, 12/64" ck. FTP = 380 psi. (CWC: \$317,317).
- 10/16/81 Flowed 30 BF in 24 hrs w/no oil, FTP = 380 psi, 12/64" ck. (CWC: \$317,317).
- 10/17/81 Flowed 5 BO & 483 BW in 24 hrs on 22/64" ck w/FTP = 210 psi.
- 10/18/81 Flowed 6 BO & 646 BW in 24 hrs on 23/64" ck w/FTP = 210 psi.
- 10/19/81 Flowed 6 BO & 622 BW in 24 hrs on 23/64" ck w/FTP = 200 psi.
- 10/20/81 SI for evaluation. DROP FROM REPORT UNTIL FURTHER ACTIVITY. (CWC: \$317,317)



FEB 25 2000

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	4	611	NGLE 12	DEPTH		3 [PUMP"X DAILY O		PM
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-	4519	4	1531	10		— Вг	rs		
_	Dild.		1 23-1-1	174		- LO	GGING		
		1				— ТЕ	STING		
			-				MENTING		
						- RE	NTALS		
								(a)	
						- MA	ATERIALS (csg & w	(n)	
		RE	ECFIV	/FD		_ MA	ATERIALS (csg & w	(n)	
			ECFIN			MA	ATERIALS (csg & w	70)	
		Off	FR 9 a 9	omer		MA	ATERIALS (csg & w		533
_		Off	FR 9 = 9	omer		DA	TERIALS (csg & w		533

			DATE	E	8-18-	81			
			DAY.		7				
				/	TXO				
							,		
					eckles "B				
	DEPTH_	49	75'	OPERATI	ONS REPORT	TIME	Drlg	_	
	-		295	FE	ET DRILLED IN	LAST T	WENTY-FOUR H	OURS.	
	FORMAT	ION:	Spea	ar fi	sh				
MIID.						7	SOLIDS 3.5	541+	
MOD:								700	/
	YP_Z;	GELS_3	/; OIL	;	LCM;_				
			1						
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			-	~		_	G	4	5900
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Ra	te 4	"/Pt 7	3/4	min/fz.	7 4 min/s		TS		530
						7.0	GGING		
Ex	pert	Mud	Logg	ecs o	n Locati		STING		
_8-	17-81	in	after	noon.			MENTING		
	1			- 4			NTALS		175
		DE				- MA	TERIALS (csg & v	wh)	6.5
		ric(CEIVE	D		100	ирч		200
			25 2000			-			
	-	Compliano	d Enforceme	in' Jonishi		-		000	532
			Justice			_			
						-	ILY TOTAL		7980
						CL	MULATIVE		FISHO

			DAT	E	8-19-	81			
			DAY	•	8				
			OPE	RATOR	TXO				
					kles "B"				
	DEDTU	53/					Drla		
	DEPIH								
		1					WENTY-FOUR H	ours.	
	FORMA	TION:	Kib	bey					
MUD:							SOLIDS 3.5		
	YP_6	GELS-3	16;01		LCM; _	Salt i	297000		
					,				
BIT . NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS
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4	45732	77/8	HTC	122	15-15-15	New	5087	113	7
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	2.55					3.0	TS		130
							OGGING		
							ESTING		
		/					MENTING		
						- RI	ENTALS		500
						- М	ATERIALS (csg &	wh)	
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_		-A	CFIN	/FD		5	upv		200
_			FR 25 2	nnn		-		000	531
_		Offi	ance & Environment			-	AILY TOTAL		8930
			Justice	STUDGI (A)		-	JMULATIVE	,	64 273

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						LCM;_S			200	
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			DAY.	•	8				
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	YP;	GELS	; OIL	;	LCM;_				
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_	· ·						MENTING		
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5	660-	5670	5"/	7-1"	1,751%	- 50	y	0005	69
						D4	AILY TOTAL		12934

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	DEPTH_	59	WELL	L/		1			
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			Lharl					-	
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REMA	ARKS: 12 eprox	300 1 to	59 0 bb	258 200	384. Lost	x + V V V V V V V V V V V V V V V V V V	MUD VATER NITS OGGING ESTING EMENTING		2602
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REMA	ARKS: 12 eprox	J to 7	59 0 bb	258 200 15. x	384. Lost	× + V	ATER SITS SOGGING ESTING EMENTING SEMENTALS MATERIALS (csg	& wh)	2100 2100 500
						_	RIG		

JUN 22 1981

10. PLANS FOR RESTORATION OR SURFACE

Billings, Montana

- A. Backfilling, levelling, contouring and waste disposal: The reserve pit will be backfilled after evaporation or removal of drilling fluids. After backfilling, the pit area will be levelled to the original contour. The mouse and rat holes will be filled. As per Item #7, trash will be burned and buried.
- B. Revegetation and rehabilitation: Upon backfilling of the reserve and mud plts, the disturbed area will be recontoured prior to seeding; previously stockpiled topsoil will be redistributed evenly.
- C. If any oil is on the pit, it will be removed or overhead flagging will be installed.
- D. Timetable for commencement and completion of rehabilitation operations: The entire pad area (if a dry hole) or disturbed areas not needed for production will be recontoured within 60 days, pending drying of reserve pit prior to backfilling. Depending upon weather for rapid seed germination and standing crop, restoration should be final one year after spud date.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The proposed well site is located in a relatively flat wheat field. The land slopes slightly to the west from the drill site, toward the Poplar River, approximately 2 miles west. The land is under cultivation but is currently fallow. A ridge 0.5 miles runs north-south and has an elevation of about 80-120 feet above the elevation of the well pad. Dominant fauna includes small mammals and birds. No endangered species are known to exist in the area.
- B. Other surface-use activities: The surface is privately owned by Austin R. Buckles; it is currently being farmed by the Buckles family. Texas Oil & Gas Corp. will execute a surface damage agreement_with_Mr. Buckles.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The Poplar River is located approximately 2.0 miles west of the drill site; in addition, a number of intermittent streams exist east of the drill site. A ranch house is located approximately 1.0 mile southwest of the drill site. The Bureau of Indian Affairs has conducted an environmental survey of the area and has determined that since the drill site is located in an active agricultural area, that any archeological, historical, or cultural values would have been destroyed or disturbed. Therefore, an archeological survey will not be required.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

FEB 2 5 2000

u. S. Geological Survey
RECEIVED

Ronald Becker Leo Heath - 406/656-9917 - Residence Texas Oil & Gas Corp. 2705 Montana Ave., Suite 300 Billings, Montana 59101 JUN 22 1981 Elilings, Montana

13. CERTIFICATES

406/248-4330 - Business

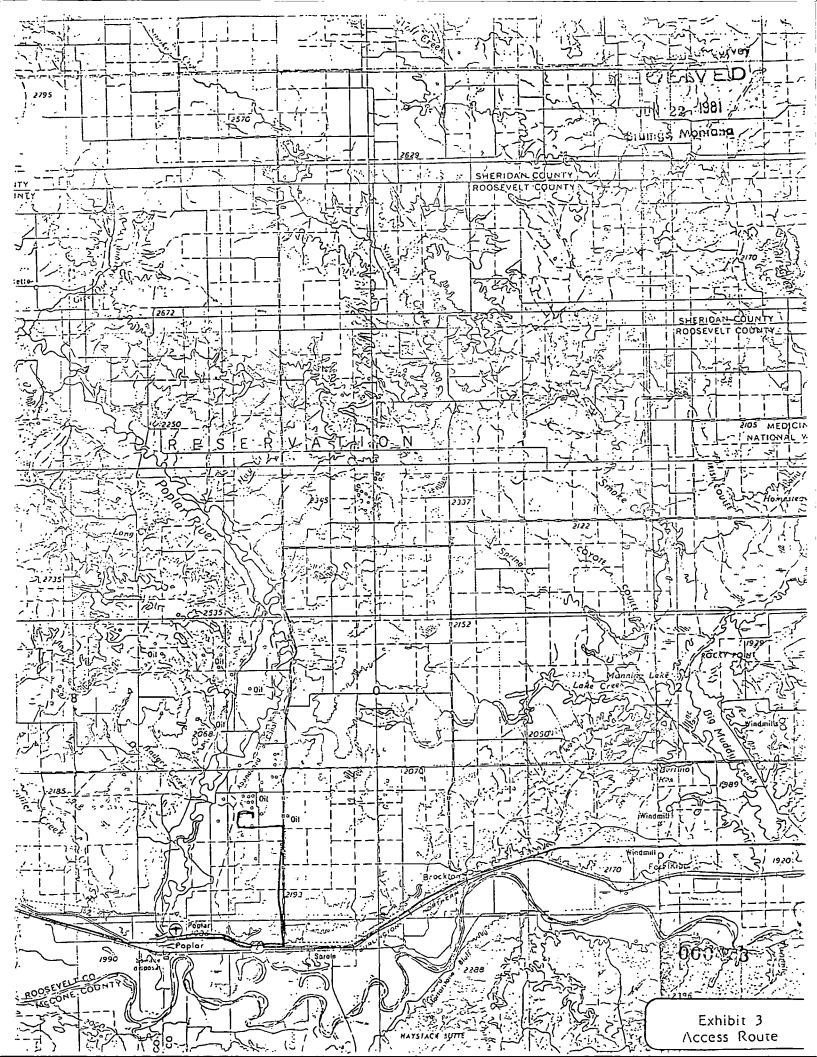
The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

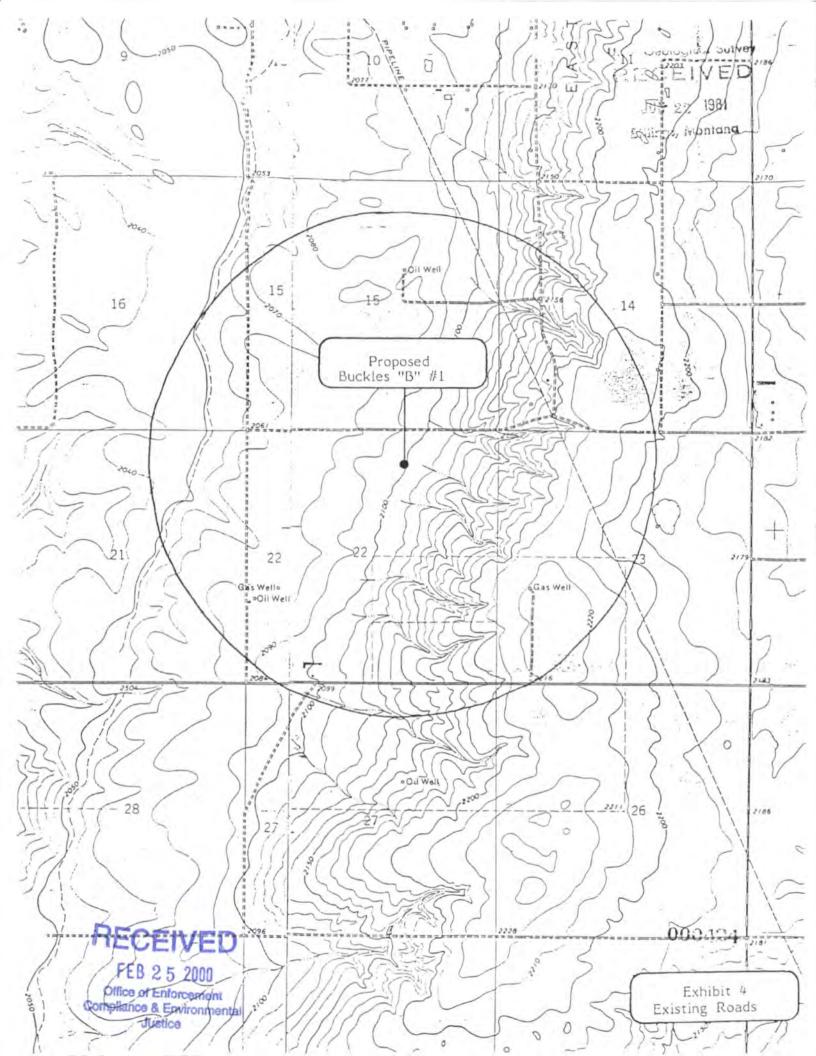
I hereby certify that I, or persons under by direct supervision have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texas Oil & Gas Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

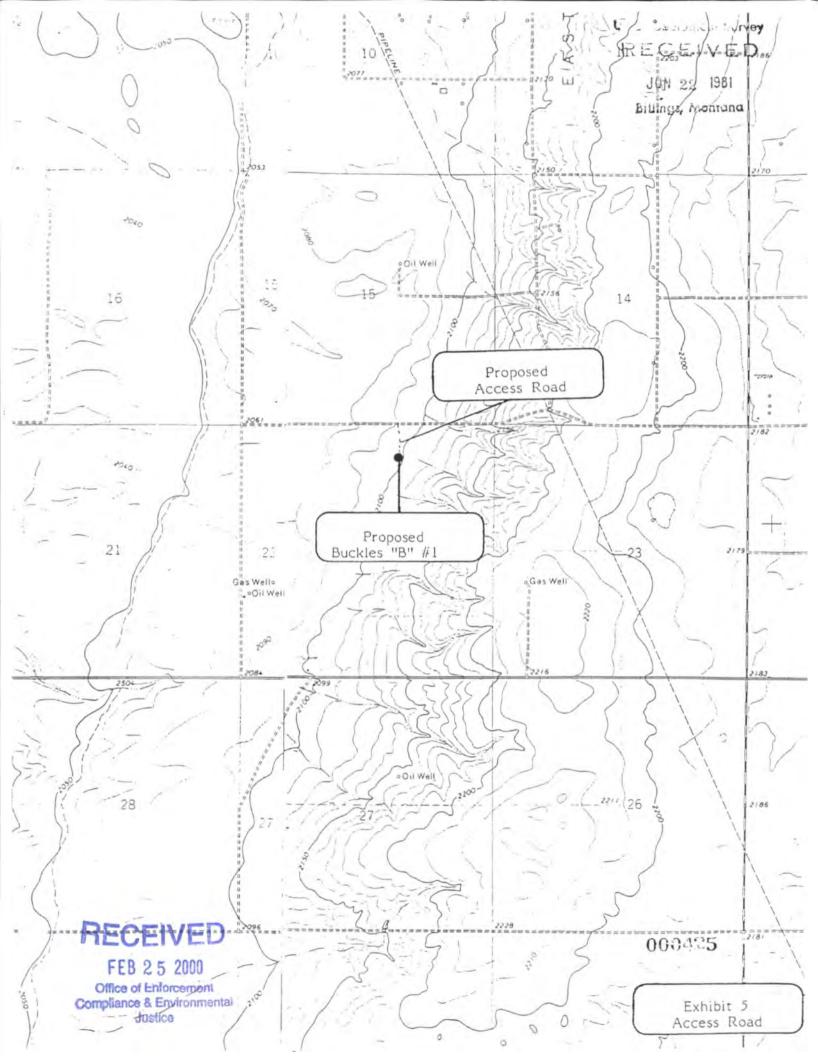
DATE: 6-22-81

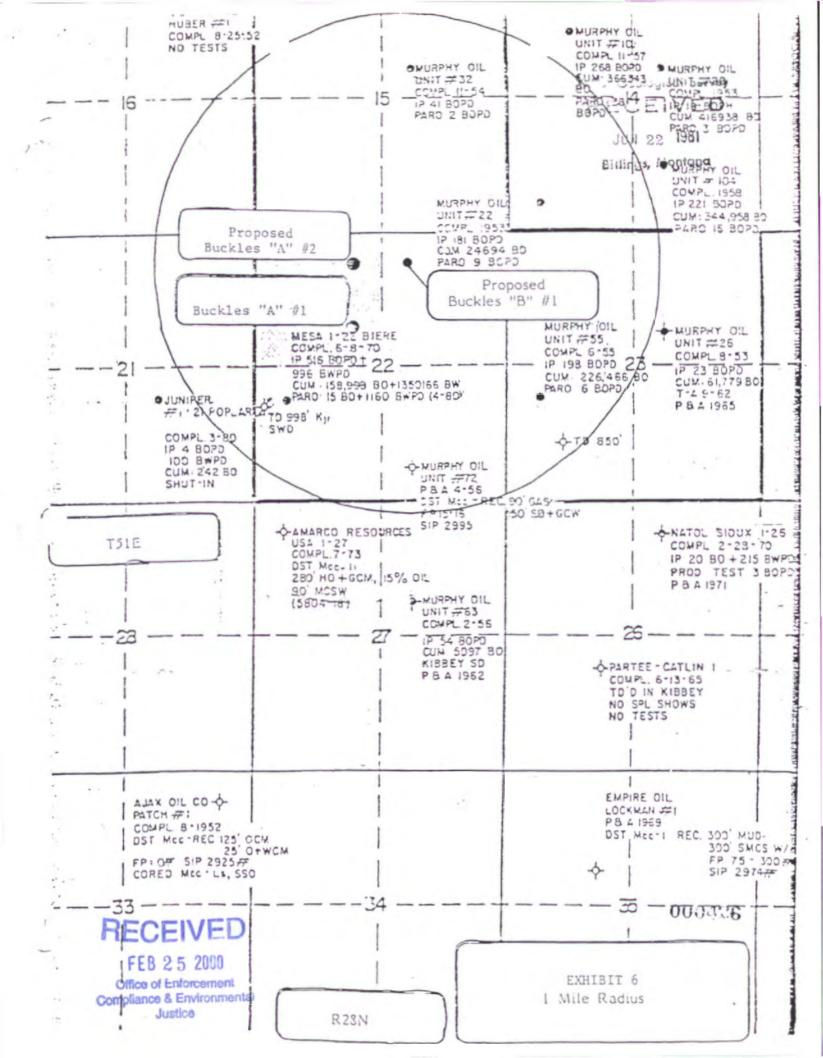
Ronald Becker by LAH Project Manager











Texas Oil & Gas Corp. Buckles "B" #1



Reclaimed Area Pump Jack Production and Water

Scale: I" = 50'

000437

Office of Enforcement
Compliance & Environmental
Justice

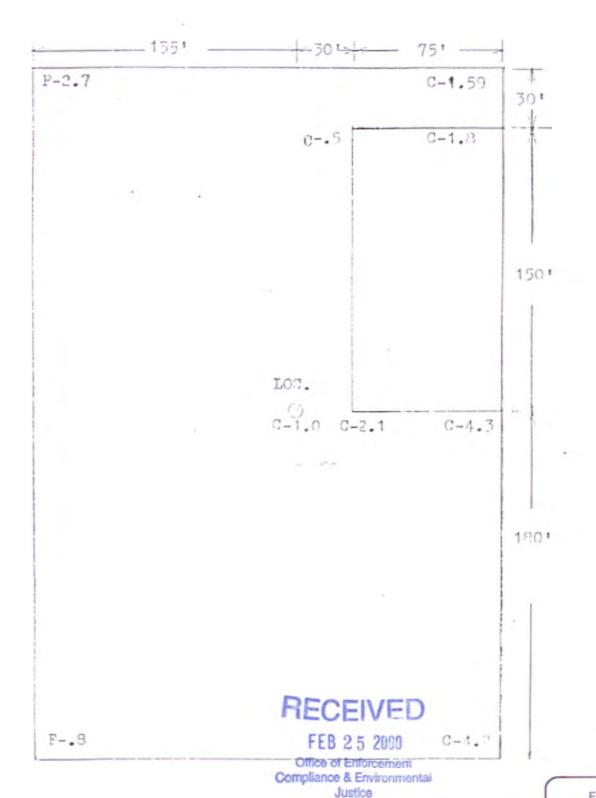
Exhibit 7 Production Facilities Doxas Oil & Gas Corp. Dockles B#1 - 1 'in & 1930'fe - 30%.22 T-23N R-11E Roosevelt Co. Montana PIT & PAD LAYOU. U. J. Georogicol Survey

1" = 50'

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JUN 22 1981

Billings, Montand



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Exhibit 8 Cut & Fill

Texas Oil & Gas Corporation

Buck' - B#l

Cross_stions & Dirt Quantites

U. S. Geological Survey

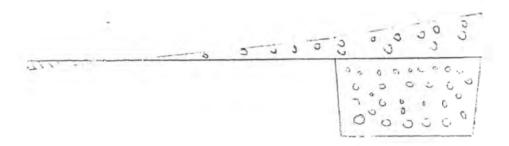
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Blilings, Montana

Scale: 1' = 50' Horizontal 1' = 10' Vertical

Cut 4169 cu. yds. Fill 1143 cu. yds. Pit Cut 3332 cu. yds





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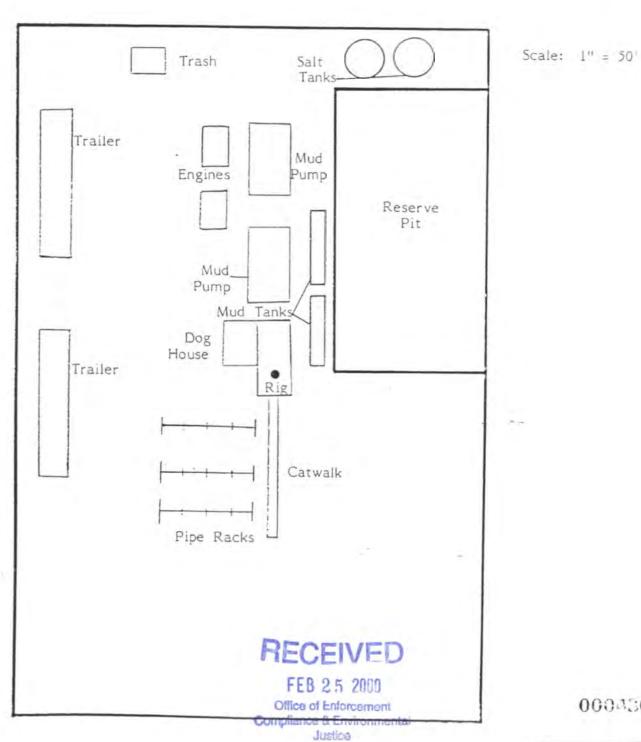
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Compliance & Environmental
Justice

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Exhibit 9 Cross Section Texas Oil & Gas Corp. Buckles "B" #1





000030

Exhibit 10 Rig Layout

JUN 22 1981

9-331 C ADDENDUM Buckles "B" #1 Section 22-T28N-R51E Roosevelt County, Montana Billings, Montana

- 1. SURFACE FORMATION: Bear Paw
- 2. ESTIMATED FORMATION TOPS:

Judith River	730'	Tyler	4880'
Eagle	1180'	Otter	50321
Muddy	29781	Kibbey Sand	51941
Dakota	32361	Kibbey Lime	58281
Swift	3694'	Charles	54861
Bierdon	4142'	Charles A	55561
Piper	4801'	Charles B	56741
Amsden	4748	Charles C	58261

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Oil and Gas Zones:

Judith River Brackish Water
Muddy Salt Water
Dakota Salt Water
Kibby Salt Water
Charles Oil

- 4. CASING PROGRAM AS PER FORM 9-331 C.
- 5. PRESSURE CONTROL EQUIPMENT:
 - A. After surface casing is set, a standard two-preventer system will be utilized.
 - B. The BOP equipment will be pressure-tested to 1,500 psi before drilling surface pipe cement, and will be tested for operation daily and during trips.
 - C. A diagram of the proposed installation. See Exhibit 1.
- MUD PROGRAM;

0' - 600' Water 600' - 4000' Salt Water 4000' - TD Saturated Salt Gel

- AUXILIARY EQUIPMENT:
 - A. A kelly cock will be kept in the string at all times.
 - B. A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string, as necessary.

000414

C. A gas-detecting device hot wire will be used from 3,000' to TD.

JUN 22 1981

Billings, Montana

D. A desander and/or desilter will be utilized as required.

- 8. CORING, LOGGING, TESTING PROGRAM:
 - A. No coring is anticipated.
 - B. Possible DST in the Charles C.
 - C. Dual laterolog-base surface casing to T.D.
 - D. FDC-CNL-GR-COL Tyler formation to T.D.
- 9. ABNORMAL CONDITIONS:
 - A. No abnormal pressures or temperatures are expected.
 - B. No hazardous gases such as H2S are expected.
 - C. Hole sloughing and washouts may be experienced in salt sections below 4,000'. Appropriate control measures will be exercised.
- 10. ANTICIPATED STARTING DATES:

Start location construction

Spud

Complete Drilling

Completed, ready for production

July 10, 1981

July 15, 1981

August 5, 1981

September 15, 1981

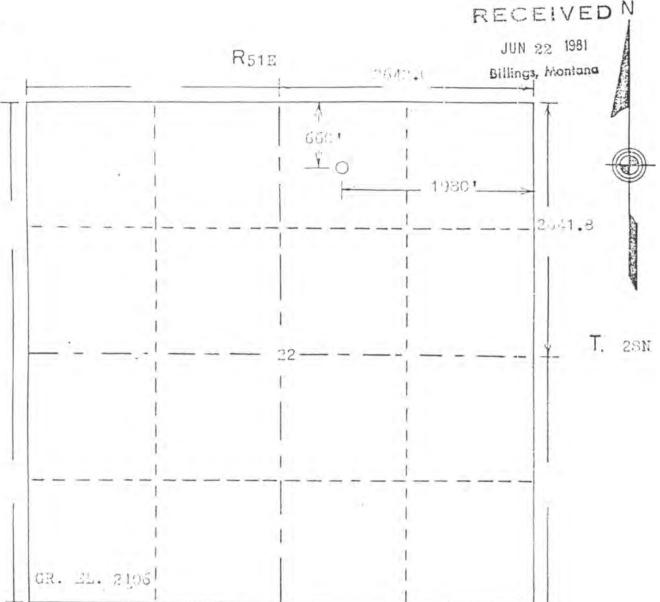
11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.





10:11

U. S. Geologicus Survey



Scale ... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Charlie Curlee
for Texas Oil Gas Corp.
determined the location of Buckles B/1
to be 190'in & 1930'is — Section 22 Township 28M
Range Mid of the Centana Principal Meridian
Roosevelt County, ontana

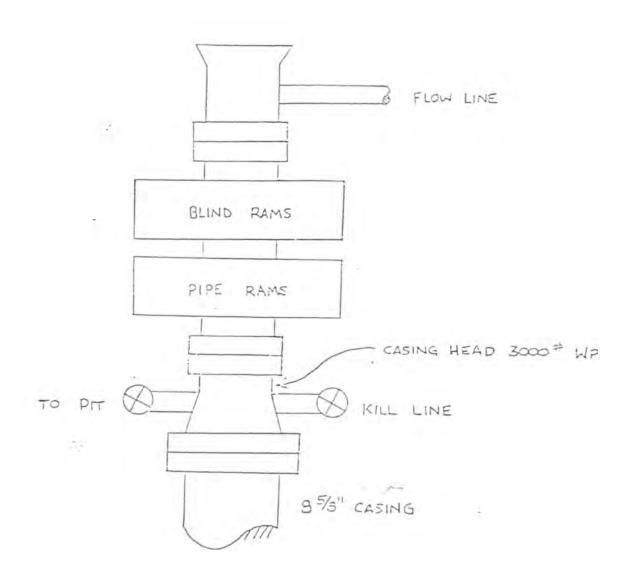
accurate representation of a correct survey showing the location of Breakley 3/1

Date -- 1

Licensed Land Surveyor No.21000316 State of Consuma

> Exhibit 2 Survey Plat

JUN 22 1981 Billings, Aventana



BLOWOUT PREVENTER SCHEMATIC

FOR MUD DRILLING

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Compliance & Environmental
Justice

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Exhibit 1 Blowout Preventer



FEB 25 XION

Office of Enforcement
Compliance & Environmental

Juaico REPORT ____

RED RIVER MUD CO.

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857

1	API		ATE	COUNTY		WELL			 S	
WELL				14	1 6	. 9	7	3.	1.7	

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11111	Que	A STATE OF	Bush		WNSHIP, RANGE
WELL NAME AND NO. 11	STATE OF STATE OF	FIELD OR	BLOCK NO.	COUNTY	STATE
Buchles	81.	" Vilu	PARE	Konsevelt	Mont
OPERATION	CASING / STIFF	MUD V	OLÚME (BBL)	CIRCUL	ATION DATA
PRESENT ACTIVITY	SURFACE STORY IN at 1/1/4 FT	HOLE	PITS	PUMP SIZE X IN	ANNULAR VEL. (FTJMIN)
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77/8 4	IN. at Zi Fi	Luciunia	673	MODEL STO	OPPOSITE COLLAR 258
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FLOWLINE TEMPERATURE	OF	PROPERTIE	S	1950	13,408
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SERVICE ENGINEER

TELEPHONE

EXCHANGE

MOBILE SERVICE

WHSE. NO, AND LOCATION

ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER

SO ELECTS, HOWEVER, NO, REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS,

AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME

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FEB 25 2001

	D RIVER	MUD CO.
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Office of Enforcement REPORT Compliance & Environmental No.

000554

115 8th Street West DATE 19 21 DEPTH_ Williston, North Dakota 58801 Phone 701-572-7857 COUNTY WELL NO OPERATOR TEXAS OIL & CAS BIAD ADDRESS ADDRESS SPUD DATE 8-11-REPORT FOR MR. SECTION, TOWNSHIP, RANGE 28N-5/E BYROM WALT WELL NAME AND NO FIELD OR BLOCK NO. WIC BUCKLES ADOSEVELT **OPERATION** CASING MUD VOLUME (BBL) CIRCULATION DATA PUMP SIZE ANNULAR VEL. (FT./MIN) DAILLIAC 300 353 IN. at 55 OPPOSITE DP TOTAL CIRCULATING BIT SIZE (IN) INTERMEDIATE . ENSCO **PUMP MAKE** 358 OPPOSITE COLLAR DRILL PIPE VOLUME IN. at 65 MODEL . CIRCULATING ESIZE PRODUCTION OR LINE IN STORAGE BBL/STROKE STROKE/MIN 800 DRILL COLLAR X-/+ PRESSURE PSI IN. at 1126 44 BOTTOMS UP (MIN) LENGTH SYSTEM WELLER 8/ E SIZE 64 509 STARCH CUMULATIVE COST 458 SAMPLE FROM PROPERTIES DAILY COST 134 990 FLOWLINE TEMPERATURE TIME SAMPLE TAKEN 9100 MUD PROPERTIES SPECIFICATIONS VISCOSITY 35-38 DEPTH (FT) 5535 DRILLING CONTRACTOR WEIGHT P(PPG) [(LB/CU. FT) 10.3+ DOPERATOR'S REPRESENTATIVE DOTHER MUD GRADIENT (PSI/FT) 5356 - BSXI TOUR ORAS NERDED FUNNEL VISCOSITY (SECJQT.) API AT 34 PLASTIC VISCOSITY CP AT 15 70 17 Wh, YIELD POINT (LB/100 SQ. FT.) 9 10 SVI TOUR OR 19 NEEDEN GEL STRENGTH (LB/100 SQ. FT.) 10 SEC/10 MIN. PH STRIP I METER 7.0 SALT 5 SX/TOOK FILTRATE API (MI./30 MIN) API HT-HP FILTRATE (ML/30 MIN.) MicA CAKE THICKNESS 32nd IN. API 292 P-ALKALINITY (PF.) & PM METHYL ORANGE ALKALINITY. SALT GP.P.M. 30360 CHLORIDE GP.P.M. 184,000 - 2 SY/TOUR CALCIUM DP.P.M. DGYP (PPB) HUY SAND CONTENT (% BY VOL.) GTREAM GALT HO WAILE ANIIN SOLIDS CONTENT (% BY VOL.) 344 OIL CONTENT (% BY VOL.) 0 9634 WATER CONTENT (% BY VOL.) (ml/ml mud)
(equiv. #/Bbl. bent.) METHYLENE BLUE CAPACITY . CHROMATE Remarks and Recommendations: . STAACH SALT OFL SALT 70 20 MICA CHROBATE 00 CEPAN

SERVICE ENGINEER

TELEPHONE

EXCHANGE:

MOBILE SERVICE

WHSE. NO. AND LOCATION

ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER
SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS.

AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME

RED RIVER MUD CO.

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857 COUNTY ADDRESS REPORT FOR MR WELL NAME AND NO... FIELD OR BLOCK NO. · OPERATION. CASING MUD VOLUME (BBL) SURFACE . IN. BI HOLE: ANNULAR VEL. (FT/MIN) PRESENT ACTIVITY ' PITS I 351 OPPOSITE DP DAILLIA FT. BIT SIZE (IN) INTÉRMEDIATE TOTAL CIRCULATING PUMP MAKE OPPOSITE COLLAR 507. · · ORILL PIPE SIZE IN. at MODEL FT. IN STORAGE CIRCULATING PRODUCTION OR LINE TYPE BBUSTROKE STROKEMIN BOTTOMS UP (MIN) DRILL COLLAR

SIZE 64, 509 GALT GEL	- 971	PACH	80 TOTAL (MIN) 81
SAMPLE FROM FLOWLINE PIT	PROPE	JD RTIES	DAILY COST 1990 S CUMULATIVE COST
TIME SAMPLE TAKEN	9:00	143	MUD PROPERTIES SPECIFICATIONS
DEPTH (FT)	5535	, .	WEIGHT 10, 1/8 VISCOSITY 75-381 FILTRATE 15-17
WEIGHT Q(PPG) CI(LBJCU. FT)	10.3+	•	BY AUTHORITY: OPERATOR'S WRITTEN TO DRILLING CONTRACTOR
MUD GRADIENT (PSI/FT)	.5356		Continued on the restrictive of Continued on the restrictive of the continued on the restrictive of the continued on the cont
FUNNEL VISCOSITY (SECJOT.) API ATI OF	34		STARCH - 8 SYLTOUR OR IS WERNEY
PLASTIC VISCOSITY CP ATOF	7	;.·	FOA. 15 7017 WAR.
YIELD POINT (LB/100 SQ. FT.)	9	1.77.17	SAIT CEL - 10 GVI TOUR OR IS WEEDEN
GEL STRENGTH (LB./100 SQ. FT.) 10 SEC./10 MIN.	4-7	* * .	FOR 35 31115
PH D STRIP O METER	7.0	3	SAIT - 30-35 SX/TOUR
FILTRATE API (MI/30 MIN) S. PRESTANCE (PROSESSES)	15	1.10	HIM HE ON I WE WANTED TO THE PROPERTY OF
API HT-HP FILTRATE (MU30 MIN)	مستنها	• • • • • • • • • • • • • • • • • • • •	MICA - 5 SVI TUUR
CAKE THICKNESS 32nd IN API	3/12.		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
P-ALKALINITY (PF.)	مسنرا	. !	CHAMMITE - LOVIDAYLITES MAILY
METHYL ORANGE ALKALINITY	مبسسر	: "	BERTHAM TO THE STATE OF THE STA
SALT DP.P.M. 30360 CHILORIDE DP.P.M. 184.00	7-	1.	CENAN FIREN - 2 SYLTOUR
CALCIUM DP.P.M. DGYP (PPB)	HUY	3.5	[18] [18] [18] [18] [18] [18] [18] [18]
SAND CONTENT (% BY VOL.)	TR	4945,4	PUN Y'S GTAFAM GALTEN, O WALLE AND
SOLIDS CONTENT (% BY VOL)	3411	aparents.	图的数据中华的图片的图片的数据的图片。1915年1916年1916年1
OIL CONTENT (% BY VOL.)	0	<i>्वाकुन्म</i>)	[] 到城市中央等等等的。 第15章 中央中央的大型。
WATER CONTENT (% BY VOL)	9634	A 44 1	PROPERTY OF THE PROPERTY OF TH
METHYLENE BLUE CAPACITY :: ((mi/ml mud): () (equiv. #/Bbl: bent.)	تبسيرًا	own X	建二磷酸二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二
Little Characterist attack and transfer of I natural Arts with the	20:03	234230	There are not a to the second lines of the control of the second to be the control of the second of

Romarks and Recommendations:

STANCH = 31

SALT OFL = 39

SALT OFL = 30

CHAMBER = 400

SERVICE ENGINEER

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VER MUD CO

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REPORT

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Williston,	North	Dako	ta 58	801
Phon	e 701-	572-7	857	٠

Will	iston, North Dakota 58			雨	DATE _	<u>-19</u> 19	81.0	EPTH <u>51</u>	94	_ ·:`
	Phone 701-572-7857		•		API	STATE -COU	NTY	WELL	: sr	≕ ·
					NO.					<u> </u>
OPERATOR	<u> </u>		I co	NTRACTOR ,			RIC	NO.		=
	OIL & CNS		· []	\mathcal{L}	P. A.D.	? · · ·	<i>i</i> 4:	5	·	
ADDRESS BILLI		, , ,	. AC	DRESS	6		SPI	JD DATE . 8 - 1/-	81	 .
REPORT FOR MR.	OVER	•••••	RE	PORT FOR ME	INVSON	SECTION, 1		RANGE	ý.	-
WELL NAME AND NO.	$-\mu$ yxr	FIELD O	R BLOC	K NO.	COUNTY		STATE		 :	— ;
Buckl	FG # 1	···/u	1/		ROOSE	VELT	1 ×	YONT	<u> </u>	
OPERATION I	- CASING	- ·MUD	VOLUM	1E (BBL) .		CIRCL	LATION D	ATA .		
PRESENT ACTIVITY	SURFACE	HOLE :	•	PITS	PUMP SIZE			LAR VEL (FT	-	<u> </u>
DAILLING .	96 IN. at //4 FT.	1337 TOTAL C	BCIII A	300	22.	14		SITE DP :-		~9
BIT SIZE (IN) NO	INTERMEDIATE	TOTAL CI VOLUME		632	PUMP MAKE MODEL	EHSOO :	<u>: · · · </u>	ITE COLLAP	3.5	<u>&-</u> .
DRILL PIPE SIZE . TYPE	PRODUCTION OR LINE IN. at FT.	IN STOR	AGE . :		BBUSTROKE	STROKEMI	PRESS	LATING URE PSI	80	9
DRILL COLLAR LENGTH	MUD TYPE			-	BBUMIN.		BOTTO	MS UP (MIN) 4	5
SIZE . 64, 1 509	SALT GEL -	STIA	CH	Y	80			(MIN)		<u>Z</u> .
SAMPLE FROM TO THE TOWN THE TO	FLOWLINE PIT	PROPERT	IES	DAILY COST	1279		MULATIVE	COST		— .;
TIME SAMPLE TAKEN		7.30			MUDF	PROPERTIES SPEC	IFICATIONS	7-10	<u></u>	= .
DEPTH (FT)		5194	·	WEIGHT . : 1	1 5 v	ISCOSITY : 70	-73	FILTRATE.	; .	 :
WEIGHT (X(PPG) (LB/CU. FT		10:4		BY AUTHORITY	: OPERATOR	'S WRITTEN	00	RILLING CONTI	ACTOR	
MUD GRADIENT (PSI/FT)		51/08	1 1 19	<u></u>	OPERATOR	'S REPRESENTATI	VE 🗆 0	THER		—
FUNNEL VISCOSITY (SEC./QT.)		3.3	: .	STANC	14 -18	X/TOUR	· · · · · · · ·	NO NEE	מבנט	—,
PLASTIC VISCOSITY CP AT,		6	· ;:	FOR	15-1	7: W.L.			:	
YIELD POINT (LB./100 SQ. FT.)		8		3017.	OEL -		TOUL	8	·:· ·	 ,
GEL STRENGTH (LB/100 SQ. F	T.) 10 SEC/10 MIN	3-6					•	·	<i>is</i>	
PH (STRIP C) METER		7.01		SALT	- K55	D. SULT	- 100	FULL	1217	- <i>[]</i>
FILTRATE API (MI./30 MIN)		1:71			BEAN :	THRU !	TO	PROX	2557	1/1
API HT-HP FILTRATE (ML/30 M	IN.)O _F	, ·	11.7		: 10 dig:			;		
CAKE THICKNESS 32nd IN. AF	и. <u></u> нт-нР	202		MICA -	· 5 5 X /	TOUR	•		• p	-
P-ALKALINITY (PF.) ''& ., PM			; .		:		•	(_
METHYL ORANGE ALKALINITY		<u>.</u>	. >-	CHROW	175 K	SX 1 74	1112	DAY LITE	501	1/27
SALT DP.P.M. 290480C	HLORIDE DE.P.M. 176,000	1- :	: :							
CALCIUM DP.P.M. DGYP (PI	PB) /	LVŸ		BUN 0	1000 1"	STREA	M 38	IT NO	g	_
SAND CONTENT (% BY VOL.)	· · · · · · · · · · · · · · · · · · ·	Ri		1.11	er ignation	1. 1. 1.	in frages.			
SOLIDS CONTENT (% BY VOL	ار_		: :	DUMP	AND C	LEAN P	775.	NS W	FIDEL	2
OIL CONTENT (% BY VOL)	<u> </u>	0.	· '			Ķ.! <u>(</u> .	.: ×;		:. <i>.</i>	
WATER CONTENT (% BY VOL.		16/2	· : .	·	1 1. 1. 1.	4. 31	V		··· ·	
METHYLENE BLUE CAPACITY	D(ml/ml mud) □(equiv. #/Bbl. bent.)				. : ::		٠٠,			
CH		200	***	: :	: " ":	j	ग्रह्मके में ए	inigiraeniga	د و ۱۵ کالمیمیشنده	دعي : -
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Office of Enforcement Compliance & Environmental

Justice REPORT

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1	Will	4	Street Wes			A	DATE 0-	19	901 n	EPTH 4-16	74
Capta a N	Ash a V	A STATE OF THE STA	01-572-785	1 - 1 - 1	The San	W	MSC	-	UNTY	WELL	S/T
	1	Lugite V	01-372-703	1.2.3	200		WELL	STATE CO	UNITI	WELL.	, 5/1
PERATOR		7. 1.		2		CONTRACTOR	NO.		PIG	NO.	
T.	EXAS	Oil A.	SAS			Day!	B:AP	3.1.	24.3	5	
DDRESS	Billi	N.69	1 400 %	3013	100	ADDRESS	250	94-	SPU	8-11-1	81
EPORT FOR MR	N 211		The state of	G 0.11	Test.	REPORT FOR			TOWNSHIP	, RANGE	
and the gray		DYFA	Accompate .					27.		- 515	张老女 ~ /
ELL NAME AND		IFG HI			LUI/	OCK NO.	ROOSE	lor .	STATE	INNT	10.
OPERATIO	7	111	ASING		-	LUME (BBL)	Jugar y		ULATION D		
RESENT ACTIVIT	TY	SURFACE	1.00	HOL	E	PITS	PUMP SIZE		_	AR VEL. (FT.)	MIN)
MAILLI	"MG		at //1/9 F			300	55	14		SITE DP	197
SIZE (IN)	NO.	INTERMED		- Illum	UME	632	PUMP MAKE MODEL Z		OPPOS	ITE COLLAR	756
RILL PIPE SIZE	TYPE,	PRODUCTION.		-	TORAGE		BBL/STROKE	STROKE/M	IN CIRCUI	LATING	200
44	1-17	IN.			275.27	400	.126	14	PRESS	MS UP (MIN)	611
ZE L	SO9	MUD TYPE	7 7 21		- 121	1000	BBUMIN		SYSTE	M Tar	79
AMPLE FROM		FLOWLINE	T GEL				8.0	ATTREE IN	TOTAL		
LOWLINE TEMP		:132	OF PII		PERTIES	DAILY COS	1279	C	UMULATIVE	9468)
ME SAMPLE TA	KEN	性 4.11	THE STATES	7.30	2	at hards	MUD P	OPERTIES SPE	CIFICATIONS	- 1990 Y	
EPTH (FT)	3000	after the T	The contract	5/91		WEIGHT	15 VI	SCOSITY 70	-73	FILTRATE	4.1.5
EIGHT Ø(PPG)	D(LB/CU. F	n.i		10.4		BY AUTHORI	TY: DOPERATOR'S	WRITTEN	- A DO	RILLING CONTRA	CTOR
UD GRADIENT		15.5	Mr. Will	: 540	_	-	OPERATOR'S	REPRESENTAT	IVE DO	THER	4 4
UNNEL VISCOS			O _F	33	0.0	STAR	111 - 000	y/ Ta 14	1 44	AS NEED	irin
ASTIC VISCOSI				16	1 3	FOR		7 Wal.		VE AL	171
ELD POINT (LB.		-	20,00	8		SALT		10:911		0	10
EL STRENGTH (MIN.	3-6	1,	12/1/27	0.00	10 91/	000	Grant and	
H Ø STRIP O M		100	0 43. 70	7.0		CALT	- KEE	1 . 0 0.	7 100	F1111	·
LTRATE API (MI.			dale Fre	17			TAEAM 7			OPPROX.	
PI HT-HP FILTR			OF	-	1 147			Section	25.33	The Contract	night and
AKE THICKNES	S 32nd IN. A	рі нт	HP	3/12	g	hi/CII	5 5 CY/		7 74.1	P. P	· ·
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ETHYL ORANGE	E ALKALINIT		32.	-	1 10	CHAM	ATE & K	SV 1.7	2777	DAY LITE	00
ALT DR.P.M. 2	904000	HI ORIDE DE	P.M. 176,0	27/1	1	The Second	85 THE 1 THE		Triple	WY PILK	(18)
ALCIUM DP.P.N			S. C. Asset	11/1/1	11.	RiN	6000: 1"	STOR	em co	17 11 1	the year
AND CONTENT	(% BY VOL.)	9: 4 34. 3	14 02	TR	1 2	1 1000	The The Party of	South St.	132	17 NO	pro na
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IL CONTENT (%	BY.VOL.)	a give	413 4 . 7	10	1 93 .	5 Tr. A0	1. 日本	1120	1111		1 1
ATER CONTENT	T (% BY VOL			96/2	+ 1	5. P. 47.5	. " " " to	A Thank	, let,	1000	
ETHYLENE BL	UE CAPACITY	(□(ml/ml m □(equlv. #	(Bbl. bent.)	-	3 30		d- (6)	1.19		· · (Tag)	
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CTARILL	commendatio	ns:	1 600	1.50	- 645			7 1 .	1950	- 7	
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THE STATE OF	200	51 S. 201	A. Sal	y. T		W. H.	新· 技能。		author den	rational Paterniaries	destination
1.80 may 3.340	110 1	e de la	1 1 83 600	Art - 1d	ما الما	office Aspect	555 VAND. NA	1 1 206	195 A	004	1567
or cont	The State of the S	# 117 To The Park 1	4	17 - /(1.1.1	12 11 11	MI CONTRACTOR	Carlo de France	1 - 2 to 2 1 to 3	OUR TOTAL BELL TOTAL	De la Contraction de la Contra

SERVICE ENGINEER
TELEPHONE EXCHANGE MOBILE SERVICE WHISE, NO AND LOCATION
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REPORT NO.

		Office (of Landson	e and
W. Carl	Con	Milano	D & C	CINGRA
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Addic A La	3557		Justice	APPENDI
	With the	100		379 000
	"STANK OF	2010	Walley Co.	1 (2)

	Will	iston, North	Dakota :	58801			DATE	3-18	19 8	DEPTH 4	993
		Phone 701-	572-785	7		(II)	API WELL	STATE	COUNTY	WELL	S/T
	1	3 (10")		S (SM)	43.53	24. Tratt	NO.	A 3	2-12		2 6 6
OPERATOR TE	YAS	0:1 \$	PAC	1 7 6		ONTRACTOR	on	W.		RIG NO.	
ADDRESS	1.43	012	UNI	7776	A	DDRESS	AD.	JO	S- 7-17	SPUD DATE	4
1 1 1 1	BiLLin	199	- Kolein	(a^k) $r_{ij} = \frac{1}{12}$	170	Ri	6	17.75	J. (2)	8-11-8	71.
REPORT FOR MR.	ALT	DYER	74.5		P	BUNON	ADNSON		12-2	NSHIP, RANGE	
WELL NAME AND N		11		- III	OR BLO	CK NO.	COUNTY	151 8	17331	STATE	4
	CHIPS	77	10	_	WIC		R003			MONT	1
PRESENT ACTIVITY	E	SURFACE	VG	HOLE	-	ME (BBL)	PUMP SIZ	-	CIRCULAT	NNULAR VEL. (FT	(AAIAN
DAILING	- 05	850 IN. at	1149 FT			300	55	14		PPOSITE DP	197
BIT SIZE (IN)	3	INTERMEDIATE	THE WAS LAND IN	St. Hickory	CIRCUL	THE RESERVE OF THE PARTY OF THE	PUMP MAK			PPOSITE COLLAR	
- 0	TYPE	PRODUCTION (OR LINE		DRAGE	598	BBL/STROK	550		RCULATING	000
	Y-H	in IN. at		200	dist. I	was in the second	126	6	4 . P	RESSURE PSI	900
CONTRACTOR AND A STREET OF THE STREET	ENGTH	MUD TYPE	- 001	er to	31.	9. 5.5	BBUMIN	1		YSTEM	75
SAMPLE FROM	509	FLOWLINE	OF.	1		1	8,0	7 17	T	OTAL (MIN)	13
FLOWLINE TEMPER	A	130 OF	PIT	PROPE	RTIES .	DAILY COST	1249	The state of the s	CUMUL	ATIVE COST 18	9
TIME SAMPLE TAKE	Nous	We officed	I HOUT	8:30	18,479	waderich i	MUD	PROPERTIE		TIONS	
DEPTH (FT)	Spirit	di distant	100	4993	1	WEIGHT : A			30-32	FILTRATE 25	
WEIGHT (PPG)	(LB./CU. FT) }	- 1-504	10.5	7.4	BY AUTHORIT	Y: OPERATO	R'S WRITTE		DRILLING CONT	RACTOR
MUD GRADIENT (PS	i/FT)		4 (35 j. r	20546	Y		LINFERATO	n a nernea	SENTATIVE	· DOTHER	
FUNNEL VISCOSITY	(SEC./QT.)	API AT	OF.	33	E 10	STARO	CH - 81	# 9X	1 TOU	A AS N	EPO(E)
PLASTIC VISCOSITY	CP AT	0F		6	100	FOR	15 W	<u> </u>			
YIELD POINT (LB./10	00 SQ. FT.)	SECTION SET		6	W. 9	SALT	- HEER	91	LT AN	16 FOLL	WITH
GEL STRENGTH (LB	1/100 SQ. F	T.) 10 SEC./10 MI	N.	4-6	35	111 57	REAM T	HILU	2	Pripar 25	91/700
PH K STRIP. I MET			5	70		-	- 14 Call	15 14		he example	
FILTRATE API (MI./30		415.77-58.45	1976	24	4	SALT	CEL-	10 SX	1 700	R	
API HT-HP FILTRATE	11	7+ 3		-	100	all the man	C Berli	1. 2	100	2000	1104
CAKE THICKNESS 3	- T. P	The I I		392	14120	MICH	-5 9Y	1 700	R	W. W. 239	
P-ALKALINITY (PF.)			200		3		65.4 Style	ir i	Law of the		211 3 74
SALT DR.P.M. 29		HI OPIDE CAP.P.M	1.1700	20	50.00	CHROPA	ITE - 5	SX/	DRYLIT	ES ONL	/
CALCIUM DP.P.M.	700		178,0		0.00	1	* 8dt -		1		
SAND CONTENT (%			u Toy No You	HUY	2 30	- RUN	I" STRE	AM	SALT	1/20	1
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WATER CONTENT (9			× 2 0	964	3,000	See 40 %	· · · · · · · · · · · · · · · · · · ·		e de Marile d	For Exemple	
METHYLENE BLUE		757 177	bent.)	100	DV E	1,124.5	THE PARTY	-	110	2 Min 1	ale:
artises now		CHROPATA		900	15 125	1 1/200	4 5 1985	de au	THEIR	regular.	100-
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Remarks and Recom	mendation	151	40.00	I de Torre	100	W - 11310	4 4 3 7 1		3 144	MARKET -	42
STARCH		24		1.00			27 27 1		-434	The Market	plant or
SAFT OFF		22			The B	17 to 18 and		JAN.	1	un	136.115
SALT	sel z io	40	MARKE!	17 3.04		2.线上	N HAR	11	1.18		Section.
CHROMATE		1					ALTER:	10	/	Casal Canada	3/ 1/-
ANTERNA ST	No.	CHEST	19535	1 (0.4)	Sara	A FU IN L	2 . t.m.	REATI	T. S. S. S. S. S.		
an Shaki Tarahi	Mark Mark	i dagi N	protection of	K WAL		est estimate	DESCRIPTION OF	a contract	MARKAR	to be a state of	5.057 1
S. Carlotte	THE PARTY OF	The state of the late	Table 2	All and the	er and the	स्त्रिक कर्मा है। स्त्रिक कर्मा है।	THE PARTY	CONTRACTOR	r cyclejije@ 2 Ugodiana	Prince Targette	MARIE THE
THE RESERVE AND THE PERSON OF	endersta	TE A STATE OF THE		24. 4×14.	of SAN	SECTION TO THE SECTION OF THE SECTI	algarity the th			FILLY AVENUE	OF THE
St. Carlott 1 2 Leader	No Asserted		2 36.4		184			行合意			
	20 N 2010	The state of the state of			ATTACK DELIVER	PART TO THE PART OF THE PART O	A STATE OF THE PARTY.				
Lary L	lenden		57	2-785	7	1141.00	2			Ų	00.33.6
	Le de		57	2-789 ELEPHONE	7 1	EXCHANGE	2	BILE SER	VICE 1	WHSE, NO. AND	LOCATION
SERVIC ANY OPINION AND/O SO ELECTS, HOWEV AND NO LIABILITY I	OR RECOM	MENDATION, EXI	PRESSED O	RALLY OR I	WRITTEN DE BY O	HEREIN, HAS	BEEN PREPA	DED CAR	CCULLY AL	DILLAW DELIGED	7 (196 19) 4 19 19

雨		DATE 8-19 19 81							E
Y	l	· API	STA	TE	С	OUN	TY:		
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REPORT NO. -

, Willi	iston, North Dakota 58	8801	[A]	DATE 8	70 1 19	21 DEPTH 1	1993	, <u>.</u>
	Phone 701-572-7857		141	API :;	STATE COUN			s/T
		萨特内拉门	ر ب	WELL		3 1 1 1		7
OPERATOR		CC	NTRACTOR			RIG NO.		==
TEXAS	MIL & CAS		13.1	DD::::	<u> 44 f a sás.</u>	3	<u> </u>	<u>:</u>
ADDRESS BILLIN	195	AC	DORESS	1 3 3 1		SPUD DATE	~1	
REPORT FOR MR.	DVAR	RE	PORT FOR M	MINUSON		WNSHIP, RANGE クタルー・5//		
WELL NAME AND NO	At 1.	FIELD OR BLOC		COUNTY		STATE.	F gr. 1	
· · · OPERATION .	CASING	MUD VOLUM		710077		ATION DATA -:	1. 6	
PRESENT ACTIVITY	SURFACE 1/1/9 FT.	HOLE	PITS .	PUMP SIZE		ANNULAR VEL. ((FT./MIN)	
BIT SIZE (IN) NO. ;	INTERMEDIATE	TOTAL CIRCULA	TING	()	Fro SCO MISIN	OPPOSITE COLL		
77	IN. at FT.		599	MODEL	550	₹ • ∴ • •		
DRILL PIPE SIZE TYPE	PRODUCTION OR LINE FT.			BBUSTROKE	STROKE/MIN	PRESSURE PSI	- ;	00
DRILL COLLAR LENGTH	MUD TYPE	1989, 2011 (No. 1)		BBUMIN	28. 64. m. 1 .	BOTTOMS UP (M	AIN)	1 11 /
SIZE (14, 14, 309)	GAIT BALL		3 3 3 3 3	10,0	新说。3141	TOTAL (MIN)	<u>/</u>	
SAMPLE FROM FLOWLINE TEMPERATURE	FLOWLINE OF	PROPERTIES "	DAILY COST	12119	CUM	ULATIVE COST.	19.9	
TIME SAMPLE TAKEN .		8:30		MUO PF	ROPERTIES SPECIF			
DEPTH (FT)		4993	WEIGHT	0,5 VI	SCOSITY30-3	2 . FILTRATE	OCC	
WEIGHT (CIPPG) CI(LB/CU. FT):	10.5	BY AUTHORITY	Y: DOPERATOR'S	S WRITTEN' S REPRESENTATIVE	🐪 🦿 🖾 DRILLING CO	NTRACTOR	
MUD GRADIENT (PSI/FT).		1546				:		==
FUNNEL VISCOSITY (SECJOT.)		33		11-20		JA AC	NiFF	JED
PLASTIC VISCOSITY CP AT :		6: 6	" FOR	15 WL	<u>- </u>	atpariti	1.21	<u> </u>
YIELD POINT (LB/100 SQ. FT.)		6強導機能	SALT	- HFEP	3/17	AAL FULL	14/7	7 jes- "
GEL STRENGTH (LBJ100 SO. F		1-6	1" 91	AFIM TH		APHONY 1		
						· 看 · 班 ·	<u>^``,~`</u>	
		24	SAIT	CF1 - 10	0 641 TU	UR	• •	<u>:-</u>
API HT-HP FILTRATE (ML/30 M		ر ز در در ا				<u> </u>		
CAKE THICKNESS 32nd IN. AF	· · · · · · · · · · · · · · · · · · ·	2	MICH	<u>- 5 57/:</u>	TOUR		· · · ·	·
P-ALKALINITY (PF.) : 8 - PM				The state of the s	and the state of t	A CONTRACTOR CONTRACTOR	·	• • • •
METHYL ORANGE ALKALINITY			CHROPA	75-35	Y- L-DNII	17:F3" (711)	<u>! Y · · ·</u>	· : :
SALT OG.P.G. 293700 C		0.	-		<u> </u>	<u> </u>	:	
CALCIUM DP.P.M. DGYP-(PF		HUY	KINN	1" STRES	M" 45A17	(1) (0)	18 3	
SAND CONTENT (% BY VOL.)		32						<u> </u>
OIL CONTENT (% BY VOL.)		12 1	1717	<u> </u>	TENEL FO	7.5 25 2	<u> </u>	<u>://.</u>
WATER CONTENT (% BY VOL.):	9642	1					
METHYLENE BLUE CAPACITY		7						
	בידעותות אנו	907)		ig produce to the second	4,61		<u> </u>	
				11 11 11 11	() 1, () 15 Y			
Remarks and Recommendation	NS:		125 TE - 120	<i>का</i> । हा हो है। स्टाइट के किस्टी	1.0		<u> </u>	<u> </u>
STARPH -	24	<u> </u>		W. Wijh				,
GAIT GEL	2.2		A STATE		424 11 18 17	UN	<u> </u>	· · · · · ·
SALT	90		11		Mand		<u> </u>	
CHROPIOTE -	21. 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							-

Colonial Management

SERVICE ENGINEER

ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORAL
SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY
AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULT



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Office of Enforcement Сотрівное & Епутоплівевоят

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	Will	115 8th Street West iston, North Dakota 5	a			DATE 8-17	19 81 DEPTH 4664
	Phone 701-572-7857	7	40	FI	API STATE CO	OUNTY, WELL S	
L A Plant		· 李、松叶 (4)	15-2-			NO.	A 等级 和 中 4 年 。
OPERATOR TEXAS O'L & CAS				C	CONTRACTOR RIG NO. 3		
ADDRESS			1	Si Al	DDRESS	10 -57 1 1-15	SPUD DATE
DEBOOT FOR UR	BILL	ing 5	- 6	ns.	PORT FOR	LE LIESTION	, TOWNSHIP, RANGE
REPORT FOR MR.	6/117	T DUER	AT M	400	BURON	A CONTRACTOR OF THE PARTY OF TH	2- ReN-5/5
WELL NAME AND NO		KIEG #1	FIELD	OR BLOC	The Party of the P	ROBEVELT	STATE
OPERATION		CASING	MUD VOLU		ME (BBL)		CULATION DATA
PRESENT ACTIVITY		SURFACE	HOLE .		PITS	PUMP SIZE X IN	: ANNULAR VEL. (FT/MIN)
DRILLING		85 IN. at 1/49 FT	_	294 300		55 14	OPPOSITE DP 197
BIT SIZE (IN) NO	3	INTERMEDIATE	TOTAL CIRCULA		TING 594	PUMP MAKE EN 9CO	OPPOSITE COLLAR 35
	PE	PRODUCTION OR LINE		ORAGE -	597	BBLISTROKE STROKE	MIN CIRCULATING
44 X.4		IN. at	T. Desil tel		1.7.6.1.	1126 64	PRESSURE PSI
	NGTH OG	MUD TYPE	11 11 11		W. 1 1. 12	BBUMIN	BOTTOMS UP (MIN)
SAMPLE FROM		SALT GO	1			6.0	TOTAL (MIN)
FLOWLINE TEMPERATURE /28 OF			PROPERTIES DAILY COS		DAILY COS	1200 CUMULATIVE COST	
TIME SAMPLE TAKEN			10:00	2 10	1,612.1	MUD PROPERTIES SPECIFICATIONS	
DЕРТН (FT)			4/664	18 8	WEIGHT.	WEIGHT 10.5 VISCOSITY 30-32 FILTRATE DOC	
WEIGHT (CPPG) (LB/CU. FT)			10,5	5 -7 -1	BY AUTHOR	TY: OPERATOR'S WRITTEN OPERATOR'S REPRESENT	DRILLING CONTRACTOR
MUD GRADIENT (PSI/FT)			0346	# 2		COPERATOR & REPRESENT	MITE COUNER
FUNNEL VISCOSITY (SECJOT.) API ATOF.			34	Title a	STARCH - 5 SX/TOOR OA AS NEED FOR 20CC WE SAY TOOR		
PLASTIC VISCOSITY CP ATOF			-11-38	5. 2			
YIELD POINT (LB./100 SQ. FT.)			7	Gyd-			
GEL STRENGTH (LB /100 SQ. FT.) 10 SEC./10 MIN.			3-7:	15. 8	14.	1 1 1	THE MAN TO THE PARTY OF THE PAR
PH Q STRIP D METER			70	1. 1	CURA	MATE - 194 DAY	LITTE ONLY
FILTRATE API (MIJ30 MIN)			18	1	CHIO	THE DAY	THE GREY
API HT-HP FILTRATE (ML/30 MIN.)			1		GALT - HEEP GALT ABL FULL WITH		
CAKE THICKNESS 32nd IN. API HT-HP			2/12	7 -	I" STREAM SALT HEO THRU IT.		
P'ALKALINITY (PF.) & PM				14	10	CHANN JAKE	10 /100 //
METHYL ORANGE AL		to a real state of	1	V. 1	RUN	111 000500	CUT II A
SALT DP.P.M. 243	-	HLORIDE DR.P.M. 18 CM	1233	12 8	17010	111 STREAM	zari Mg
CALCIUM DP.P.M. DGYP (PPB)			ANG	1404	Mila	1 6 0 - 1 1 1 1	TS AS NEEDED
SAND CONTENT (% BY VOL.)			TR	7407	DUN	L CLARK P.	A NEEDEN
SOLIDS CONTENT (% BY VOL)			3/1	Ver 3	1.5	Wet	and the second
OIL CONTENT (% BY VOL)				to vair	With the second		tive in agreement on the
WATER CONTENT (%			964	1 14	1000		All to / mar to
METHYLENE BLUE CAPACITY (Gould, #/Bbl. bent.)				MAC WAL	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CHAMO DE DO TRE LESS
CHROMATE				Lis way	22, 3000		
Favoring to	" 3.C	CS PARTITURE	950	. 2 14	bick to	and the Charles and the	ASOMETICAL STREET
Remarks and Recomm	nendatlo	nsı	100	1. 1. 1.			
	J.W"		1. 1. 1.	10 Table	DE-0:1	TER WT, UNDE	A- 11 7
CTABOU	12.11	01	ings. S	10000	The state of the s	William Francisco Company of the Company of	Target and the second and a second
STARCH	All Control	211	2 1 2 2 3	7	RESERVE	PIT HOD !	341,000 CHILD CH
SALY OFL	4000	37	1.1.0	700	FIRE	22	1,100 - SALT
SALT		25		Self-mg	· "	The State of the State of	
	40-1 6 1	the second second second second second		Fire.	Carrier to	at the state of the state of the state of	The second secon
CHROMATK	-	Market a Charles	25 mg	1 1 1 mg	1	TO A CANADA STATE	
CHROMATIC	5.50		Street.		in the second		

SERVICE ENGINEER

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EXCHANGE

MOBILE SERVICE

WHSE. NO. AND LOCATION

ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER SO ELECTS, HOWEVER, NO. REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS, AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.

Office of Enforcement
Compliance & Environmental REPORT
Justica NO. -

		115 8th S	treet West				\$ - NT =	2		Sec. 15	11/2	- 110	
- A - 1	Wil	liston, Nort	h Dakota 5	8801		M	DATE	4-17	19 8	DEPTH	1/	166	4
		Phone 70	-572-7857	150			API	STATE	COUNT	Y: W	ELL	38	· S/T
					17.4		WELL NO.	19 15	= 12	1 32 4	ed es	10	
OPERATOR	7-2.	A A	1 000	,	13-45	CONTRACTOR	1.1	350	21 A	RIG NO.	5	2.7	
ADDRESS	TEXA	, 0.1	A GAS		205 3	ADDRESS	NP .	en Yaga	4	SPUD DA	TE		MAC.
	BILL	ING S	A The state of	15 18 18	3, 3,5	Ri	6		12. M.	N84	173	181	
REPORT FOR MR.	Wal	TOVE			*	ALRON	WANG	3.5		RAN -		15	4
WELL NAME AND	The second second		4.24	FIELD	425 A. C.	OCK NO.	COUNTY	PERA.		STATE	-		_
00501716	-	11		5/4/4	(11/	Cited and	POO	SEVEL	7	5 10	A/T		_
OPERATIO		1	SING	-		UME (BBL)	DUMPER		CIRCULAT				
PRESENT ACTIVIT		SURFACE IN. at		HOLE		200	PUMP SIZE	14		OPPOSITE D		16	7
BIT SIZE (IN)	NO	INTERMEDIA	de a se la company	7.11	L'CIRCU	LATING :	PUMP MAKE	2.11	0	PPOSITE C	OLLAI	A . 3	50
DRILL PIPE SIZE	TYPE	PRODUCTION	ORLINE	INST	ORAGE	-	BBUSTROK	E STRO		CIRCULATIN		0	00
DRILL COLLAR	LENGTH	i. IN. at	FI	B 86-3	210.	MAL STATE	BBUMIN	6	7/ / / / / / / / / / / / / / / / / / /	PRESSURE F	-	v) -	76
SIZE 64	309	MUD TYPE	ALT GE	,	STNA	14	G.	0	100	SYSTEM TOTAL (MIN)	A.	2	14
SAMPLE FROM	1.14. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	FLOWLINE	PIT	M	UD	DAILY COS	T 1110	F 41/2		LATIVE COS	1/2	1	_
FLOWLINE TEMP	ERATURE	/28	F		ERTIES	5-0-160	1200			694	0	17,71	
TIME SAMPLE TAI	KEN	AN CHURCH	1.2	10:00	-	4 P-30-4	MUD	PROPERTIE	S SPECIFICA	A Land			1
DEPTH (FT)	rhage		2500 15	4664		WEIGHT	0.5	VISCOSITY	3032	FILTRA	E20	00	
WEIGHT (PPG)			\$1.00 miles	10.5	1/12/19	BY AUTHORIT	Y: OPERATO			DOTHER	CONT	RACTO	R
MUD GRADIENT (THE PARTY OF THE P	Section 19	0546	Salte Y	1		+ 1					
FUNNEL VISCOSI		THE STATE OF THE S	0 _F	34	111	STARO	1	5 9V	1700	A OK	15.	NI	F81+1
PLASTIC VISCOSI		15.1.1	F. W	11	- N-6	· K FOR	2000	u	16		1	· -	
YIELD POINT (LB.		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	7	far.	GALT		584	1 7001	P	15-	12.5	. 5
GEL STRENGTH (- 4	4		3-7	19 100	S. S. Shine	* 1 3 7 1	girl in	1.11	19 7		9.4	
PH Q STRIP C M			15000	70	9279	CNROH	176-11	91 /	DANKITE	C ON	111	1.	11
FILTRATE API (MI.			10	18	Din'	1 100	Wall Harry	5.0	or and	#		1 2.	324
API HT-HP FILTRA		2.22		-		SAIT	- HEED	. GAL	7 MD	1 For	1:	ti:	7/1
CAKE THICKNESS	4	127.82	P	2/12	5.50	1119	TREAM	9117	1120	THEU	175	1.	
P-ALKALINITY (PF	July Street, S. V.	A DESCRIPTION OF THE PARTY OF	A STATE OF THE STA		1300	三 3.456	The Property	14.74	15 1,0	4. 3.37	3.5	1 - 1	
METHYL ORANGE	- 1		M v		1100	RUN	111.97	REAM	9,817	1400	to 1	+	
SALT GP.P.M. 24			.G.178.001	Allers of	-325	S. S. S. P.	ER PRAIL	at The	the May	di E.V	955	10	
CALCIUM DP.P.M				Ting	1404	DUMI	F CIE	AN	1.75	19: 1	1861	2511	2
SAND CONTENT		W. Santa	Post Contractor	TK	2.50	Wat 41 Th	2 10 1	in the	1 11	W. A.	207	8	-
SOLIDS CONTENT	The same that the	CA	banking to	3/1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31.71 Mg to	12000	3-1- No	VI KRapira	Sank of mostly the algor	e ton	(S) it	Kar in
OIL CONTENT (% WATER CONTENT			130 5	01/4	12.50	64 N. R. 42		2000	200	Carlot III	1000	16.	9 U
METHYLENE BLU		- DI-II-I	0.	964	-5 reco	1 2 2 2	Harris Boo	12.3 M		A.M.	S 20;	6-6	
and the state of the first	S. MARINE	44.7		0:0	5. 100	de Servicione	Andrew Street	19 18 N	Vi night in	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C In		
No Maria de Labora	1	55. CO. T.	POKATE	950	1 (1 85 m)		A Company		Vince the file	N. C.	11.		
Remarks and Reco	ommendatio	ns:	1.30.34			THE LY		(4)-10		6.00	1	100	
Mary In		7-17-1A	March 1	de Ne	2005	DE- 0:1	TER WI	UN	DEA -	11. 7	1	-	
STARCH	1000	21	Landy.			PREFINE			134/	200 0		4)	·//ou
SALY OFL	74 14 V	34			elle le		. The second	1336 5	221.1	20 5	01-		2001
SAIT	176.24	25	Translation Land	10.00		destant in	160	40.00		00	# 4	7	
CHROMITE		41	THE SALE OF	Si Mi Zi	186 7	as have	i de	4 N	1991. 1	40,000 Mod		1K:	
dilligated to the state of		Sant a promote	Reflection of	And Shice	Parks by	Northwest Com	cson liet an	5431: DVA	A Charles	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2005	DEZ.	Property.
Military and the			10 N. 17 19	7.5. cast	Christian		Carlos Carlos	6367	O VICTOR		213/2	100	42
HATTAL STATE OF THE STATE OF TH	Mary Vick	The section of the	Take Trans			SEA STEEL	* 118 24 34	nd. A			077		71
	- MAL		13% B	Y SA		34.41			TAME	新 斯	0.0		
and I	1. 1.	Car ASSA	100	11.783	7	WH NO	2		13	SER.	UU	0.5	71
SER	VICE ENGIN	EER IS SEED OF	The land of the	ELEPHON	E applied	EXCHANGE	MO	BILE SEF	RVICE	WHSE N	D. AN	D LOC	CATION

ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS, AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.



FEB 2 5 2000

Office of Enforcement
Compliance & Environmental

.Justice : REPORT 115 8th Street West Williston, North Dakota 58801 8-16 19 8/ DEPTH DATE API Phone 701-572-7857 COUNTY WELL WELL OPERATOR CONTRACTOR RIG NO. LEXES Of a Con **ADDRESS** ADDRESS SPUD DATE 34. REPORT FOR ME REPORT FOR MR. TOWNSHIP, RANGE WELL NAME AND NO. FIELD OR BLOCK NO. COUNT OPERATION CASING MUD VOLUME (BBL) CIRCULATION DATA PREGENT ACTIVITY SURFACE IN. at HOLE PITS PUMP SIZE Pack 272 300 OPPOSITE DP BIT SIZE (IN) INTERMEDIATE NO TOTAL CIRCULATING PUMP MAKE Ensco OPPOSITE COLLAR 358 IN. at VOLUME MODEL -550 DRILL PIPE SIZE PRODUCTION OR LINE CIRCULATING IN STORAGE BBL/STROKE -STROKE/MIN 900 KH IN, at PRESSURE PSI 126 DRILL COLLAR BOTTOMS UP (MIN) :33 SIZE Stave SYSTEM 80 TOTAL (MIN) PROPERTIES DAILY COST CUMULATIVE COST FLOWLINE TEMPERATURE TIME SAMPLE TAKEN 0800 MUD PROPERTIES SPECIFICATIONS VISCOSITY 30 -32 DEPTH (FT) WEIGHT 4300 DOPERATOR'S WRITTEN WEIGHT D(PPG) D(LB/CU. FT) BY AUTHORITY 10.5 OPERATOR'S REPRESENTATIVE MUD GRADIENT (PSI/FT) 4. 5408 FUNNEL VISCOSITY (SEC./QT.) API AT 32 PLASTIC VISCOSITY OF AT 2 YIELD POINT (LB/100 SQ. FT.) 5 GEL STRENGTH (LBJ100 SQ. FT.) 10 SECJ10 MIN. 2-3 PH C STRIP C METER 7.0 FILTRATE API (MIJ30 MIN) 180 API HT-HP FILTRATE (ML/30 MIN.) 2/32 CAKE THICKNESS 32nd IN. API HT-HP P-ALKALINITY (PF.) & METHYL ORANGE ALKALINITY SALT DG.P.G. 277,200 CHLORIDE 000 CALCIUM DP.P.M. DGYP (PPB) Huy SAND CONTENT (% BY VOL.) TR SOLIDS CONTENT (% BY VOL.) 342 OIL CONTENT (% BY VOL.) 0 WATER CONTENT (% BY VOL.) 96 1/2 950

SERVICE ENGINEER TELEPHONE EXCHANGE

SERVICE ENGINEER

TELEPHONE

EXCHANGE

MOBILE SERVICE

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Office of Enforcement

Complication & Environmental Advisors REPORT_

NO.

115 8th Street West			A PROCESS IN LANDS IN LESS	blacers to be the la
Williston, North Dakota 5	8801		DATE 8-/6 19	81 DEPTH 4300
Phone 701-572-7857	1.000 (4) 1.000	147	API STATE COUN	
그 경기에 되면 나는 맛이 하셨어요? 하다	1		WELL NO.	8 5 M 2 2 2 2 2
OPERATOR TEXAS OILAGO	1.454	CONTRACTOR	R	RIG NO.
ADDRESS R //	4.50	ADDRESS		SPUD DATE
REPORT FOR MR.	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	REPORT FOR M	R. SECTION, TO	WNSHIP, RANGE
Watt Dyer	Carlo - Ag (18)	1100		28N - SIE
WELL NAME AND NO.	FIELD OR B	LOCK NO.	Konsevelt	Mont
OPERATION	MUD VC	DLUME (BBL) 77	CIRCUL	ATION DATA
PRESENT ACTIVITY SURFACE 87 'IN al 1819 FT	HOLE 2.72	PITS	PUMP SIZE X IN	ANNULAR VEL. (FT/MIN) OPPOSITE DP 197
BIT SIZE (IN) NO INTL DIATE	TOTAL CIRC	ULATING	PUMP MAKE Em sco	OPPOSITE COLLAR 208
7 4 3 IN. at FT DRILL PIPE SIZE TYPE PRODUCTION OR LINE	IN STORAG	572 E	BBUSTROKE STROKEMIN	CIRCULATING 904
4 /2 X H IN. al	The second secon	GENERAL STATE	126 64	PRESSURE PSI 900 BOTTOMS UP (MIN) 33
SIZE SALAR OF THE STATE OF THE	cy 1	War Marie Co.	BBUMIN	SYSTEM
	MUD		8 Dec men or	
SAMPLE FROM FLOWLINE PIT PIT OF	PROPERTIES	DAILY COST	10/42	T740
TIME SAMPLE TAKEN	0800	a Higher	MUD PROPERTIES SPECIF	The same of the sa
DEPTH (FT)	4300	WEIGHT '	10,50 VISCOSITY 30	32 FILTRATE 2000
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ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER
SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS
AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME

FEB 2.5 2000 Office of Enforcement Compliance & Environmental
Justice

REPORT

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AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.

Office of Enforcement Compliance & Environmental

Justice REPORT

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Office of Enforcement Compliance & Environmental :

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115	5 8th Street West				Medice	NO
	, North Dakota 58	8801	11.1	TA	DATE 8 - 14	98 DEPTH 3485
The second secon	ne 701-572-7857	Circle 1	美有力	4	API STATE CO	UNTY WELL SIT
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ADDRESS				ADDRESS		SPUD DATE
BILLINGS	5			RIG	Park Park	8-11-81
REPORT FOR MR.		13/10	13	REPORT FOR MI		TOWNSHIP, RANGE
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AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.

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Office of Enforcement Compliance & Environmental

REPORT

000377

RED RIVER MUD CO. 115 8th Streft West Williston, North Dakota 58801 DEPTH_ Phone 701-572-7857 COUNTY WELL OPERATOR TEXAS DIL GAS ADDRESS ADDRESS SPUD DATE A; 8-11-8 REPORT FOR MR. REPORT FOR MR SECTION, TOWNSHIP, RANGE 22-BURON NAUSON 2801-WELL NAME AND NO FIELD OR BLOCK COUNTY NO STATE MON WIC OPERATION CASING MUD VOLUME (BBL) CIRCULATION DATA PRESENT ACTIVITY HOLE ANNULAR VEL. (FT/MIN) SURFACE PITS paitting, 300 250 - IN. at 220 OPPOSITE DP BIT SIZE (IN) NO. ERMEDIATE TOTAL CIRCULATING PUMP MAKEEMSCO OPPOSITE COLLAR フカ VOLUME MODEL IN. at 520 CIRCULATING DRILL PIPE SIZE PRODUCTION OR LINE IN STORAGE TYPE BBUSTBOKE STROKE/MIN PRESSURE PSI / BOTTOMS UP (MIN) DRILL COLLAR :126 20 LENGTH BBL/MIN SYSTEM Stavi 509 SIZE 1/0 // 10/7 TOTAL (MIN) SAMPLE FROM MUD PROPERTIES DAILY COST CUMULATIVE COST OF ED FLOWLINE TEMPERATURE TIME SAMPLE TAKEN 1800 MUD PROPERTIES SPECIFICATIONS WEIGHT 9.8 DEPTH (FT) VISCOSITY 31/25 FILTRATE OPERATOR'S WRITTEN DRILLING CONTRACTOR WEIGHT # (PPG) [](LB/CU. FT) 9.7 OPERATOR'S REPRESENTATIVE OTHER MUD GRADIENT (PSI/FT) 5044 FUNNEL VISCOSITY (SECJQT.) API AT 29 Mour or as weeded PLASTIC VISCOSITY CP AT YIELD POINT (LBJ100 SQ. FT.) GEL STRENGTH (LB/100 SQ. FT,) 10 SEC/10 MIN. 0-0 PH C STRIP C METER 8.0 FILTRATE API (MI./30 MIN) 20,4 API HT-HP FILTRATE (ML/30 MIN.) CAKE THICKNESS 32nd IN. API /32 P-ALKALINITY (PF.) . & . PM METHYL ORANGE ALKALINITY SALT DEP.P.M. 204 600 CHLORIDE JG.P.G 000 CALCIUM DP.P.M. DGYP (PPB) Huy SAND CONTENT (% BY VOL.) 0 SOLIDS CONTENT (% BY VOL.) TR OIL CONTENT (% BY VOL.) 0 WATER CONTENT (% BY VOL.) 100 (ml/ml mud) (equlv. #/Bbl, bent.) METHYLENE BLUE CAPACITY 200

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Office of Enforcement Compliance & Environmental Justice:

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Phone 701-572-7857 PERMAN OF TEXAS OF LOAD ADDRESS ADD		Will	Marie Contract	orth Dakota		15.50	M	DATE_S	3-17	180	DEPTH _	12/	0
OPERATOR TEARS O' LANG ADDRESS ADDRE	4.7		Phone 7	701-572-785	7	10.	T		STATE COL	YTAL	WEL	L	S/T
ADDRESS ADD			4	1,00		1, 13, 1A	1,1-1			12			
ADDRESS ADD		TEXAS	01/2 1	CNS		C		Bian.	· Alpha m		IG NO.		
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AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.

RECEIVED

FED 25 2000

Office of Enforcement Compilance & Environmental Justice

REPORT

RED RIVER MUD CO.

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857

P	DATE_	2-13	1981	DEPTH 12/0					
	API WELL	STATE	COUNTY		WELL				
	NO.			9.15	1 .				
TRACTOR	a. 5	2	* 1 - Ja	RIG N	10.				

					NO.		1.0	
OPERATOR TOWN O	011 1010	7	C	ONTRACTOR	Bian	3.	13	RIG NO.
ADDRESS BILL	UNC 1618		A	DDRESS A	G.		101 101	SPUD DATE
REPORT FOR MR.	Not y	Land Control	RE	PORT FOR M		SECTION, TO	SNMC	
1.1167	DYER			BURON		The second second second		125/Emil
WELL NAME AND NO.	1		OR BLOC	K NO.	COUNTY	ting the	STA	ATE
BUCKI	,,		11/0		MOOSFU	FIT	-13	MANI
OPERATION 7	CASING	_	ID VOLUM	ME (BBL)	5.50	CIRCUL	-	
Note up	SURFACE 879 IN. at //49 FT			300		14		NULAR VEL. (FT/MIN) POSITE DP 197
BIT SIZE (IN) NO	INTERMEDIATE		CIRCULA		PUMP MAKE		OPP	OSITE COLLAR TEL
DRILL PIPE SIZE TYPE	PRODUCTION OR LINE	IN STO		370	BBLISTROKE	STROKE/MIN	CIR	CULATING
4/h V.//		т.	nage !		.12/2	64	PRE	SSURE PSI -
DRILL COLLAR LENGTH	MUD TYPE			50 (8)	BBLMIN	71		TOMS UP (MIN)
SIZE 66/ 509	BO LIATE	4	33		18.0			AL (MIN)
FLOWLINE TEMPERATURE	FLOWLINE PIT	PROPE		DAILY COST	-0	CUM	ULAT	IVE COST
TIME SAMPLE TAKEN	. 18010	M. Gra	rviri.	THEN	. MUD P	ROPERTIES SPECIF	FICATIO	NS
DEPTH (FT)	1	1210	"- gard"	WEIGHT - 1	- 4 - VI	SCOSITY	1-10	FILTRATE
WEIGHT □(PPG) □(LBJCU, F	n	1210	- 11. X	BY AUTHORIT	Y: DOPERATOR	S WRITTEN		DRILLING CONTRACTOR
MUD GRADIENT (PSI/FT)	or Committee	17.70	1 1803.5	-1 117		S REPRESENTATIVE	E .	OTHER
FUNNEL VISCOSITY (SECJQT		60	-					
PLASTIC VISCOSITY CP AT		1	-	· na	2.1			
YIELD POINT (LB./100 SQ. FT.)	- 1	17	-	1/8.	11 00	1. (4)	7:11	CLEAT
GEL STRENGTH (LB./100 SQ.		1				1		1 0 - 7
	PIJ TO SECTIO MIN.	R	1535	WAS	TON	The San Del	-11.14	Si Sasan
PH STRIP METER		11	_	N. P. L. L. L.	17.70		N 105	_
FILTRATE API (MI./30 MIN)	AIN) OF			CA	CHINTE	AESEAV	16	PIT.
API HT-HP FILTRATE (ML/30 N				SECTION.		200, 100	, vi	
CAKE THICKNESS 32nd IN. A		-		Mix	LINE	AND F	-10	(70
P-ALKALINITY (PF.) & PN				71	- 1	Styl-	*- T-	in Alberta
METHYL ORANGE ALKALINIT				MAIN	TUIN C	LENA 6	UAT	FM 1-
SALT DP.P.M.	CHLORIDE G.P.G.			111	Ř -	1	1 - 1	1 3
CALCIUM DP.P.M. DGYP (P	PB)	111	1.0	PUM	1 900	TIAN.	10	
SAND CONTENT (% BY VOL.)		12.7		1	15.7	- 1 p - 1		The time to be a few
SOLIDS CONTENT (% BY VO	L.)			1 1	.3%-	12 42	3	
OIL CONTENT (% BY VOL.)		1.	3.3	1.0	- 32.34	100	- 7	to the second
WATER CONTENT (% BY VOL					n + 25.0		- 1	L. W. W. L.
METHYLENE BLUE CAPACIT	y (mi/mi mud) (equiv, #/Bbl. bent.)		8.131	15	1001116	44 - 17-		
1	100				- F. 448	医克尔氏	1,1- 7	
Remarks and Recommendation	ons:		100	20 410	1000	A ST		- P1" - V
The state of the s	1024	C		7.0	- Christi	1 15	20	132 300
	11.00		e 19 ₁ °		1.2	41- 30	-	
		_3 = _		- Jun -	0.53		1 10 7	1 2
30.5	- Gr	2.5%		1		2000	7 5	1/11/11/11
		17 10 8			1 12 6 14 1	. S. 15. (c)	/	1. 53/
	A THE ALTERNATION			if make	10.10.4	in the	· E.	lam to
0.	1100		- 197	1.4	,		1/	1
1/11.	1 1 2 2 3	-(-,	1 1 3	tol. Wit	1	1261.31	583	
- 1/ 1/ 1/ 1/	1 1 - 1		- C	I Jakina v	in the second	Carte of July	50.1	Acres I. L.

SERVICE ENGINEER

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SERVICE ENGINEER

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EXCHANGE

MOBILE SERVICE

WHSE. NO. AND LOCATION

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RED RIVER MUD CO.

MINISTRA DE LA SECULIA DE LA S

Office of Enforcement
Compliance & Environmental

REPORT ___

Williston, North Dak		D		-12_19	81 DEPTH 859
Phone 701-572-	-7857		WELL	ATE COUN	TY WELL S/
OPERATOR		CONTRACTOR	NO.		RIG NO.
Texas Oll & Gas	· '	B	d		HIG NO.
DDRESS Q 1/.	1	ADDRESS A			SPUD DATE
Dillings		REPORT FOR N	9 11	SECTION TO	WNSHIP, RANGE
Walt Over		Buscons	Hanson		28N - 51E
VELL NAME AND NO	FIELD OR B		COUNTY	HE SHI	STATE
Builtles B	w/c		Koose	relt	Mart
OPERATION / CASING		LUME (BBL)			ATION DATA
PRESENT ACTIVITY SURFACE IN. at	FT. HOLE	PITS	- 1	CI4	ANNULAR VEL. (FT/MIN) OPPOSITE DP 197
IT SIZE (IN) NO INTERMEDIATE	TOTAL CIRC	ULATING	1	m100 :	OPPOSITE COLLAR 35
121/4 / IN. at	FT. VOLUME		MODEL 55		
PRODUCTION OR LIN	FT. IN STORAGE		BBUSTROKE	STROKE/MIN	CIRCULATING PRESSURE PSI
RILL COLLAR LENGTH MUDTYPE			BBLIMIN		BOTTOMS UP (MIN)
IZE 6/4 509		-1	8.0		SYSTEM TOTAL (MIN)
SAMPLE FROM FLOWLINE PIT FLOWLINE TEMPERATURE OF	MUD PROPERTIES	DAILY COS	900	СИМ	ULATIVE COST
				TANKS ASSESSED	400
TIME SAMPLE TAKEN	0800	MEIDIE		PERTIES SPECIFI	and the second of the
DEPTH (FT)	859	WEIGHT	1	OSITY	FILTRATE
WEIGHT (PPG) (LBJCU. FT)	10.2	BY AUTHORIT	Y: DOPERATOR'S V		OTHER
MUD GRADIENT (PSI/FT)	5304				
FUNNEL VISCOSITY (SECJQT.) API ATOF	70+		11 - 45	44.1	The state of
PLASTIC VISCOSITY CP ATOF		U15-	Maintain	40-4	15 0,5
FIELD POINT (LB./100 SQ. FT.)		1	With Sai	Tou !	Line it wer
GEL STRENGTH (LBJ100 SQ. FT.) 10 SECJ10 MIN.			1050 Cel:	70 /5x	Line
PH STRIP METER	1	10.0	7 - 2 - 1 - 1	-	
FILTRATE API (MI/30 MIN)		W1.	treep WT	up a	ver 10.1 with
API HT-HP FILTRATE (ML/30 MIN.)			Salt	<u></u>	W W
CAKE THICKNESS 32nd IN. API HT-HP			If we h	I The	wata flow
ALKALINITY (PF.) & PM		_	we will i	my The	e Barite for
SALT DO P.P.M. CHLORIDE DO P.P.M.		-	necessary	int.	To Kill :T
LIG.P.G.			1		
CALCIUM □P.P.M. □GYP (PPB)	7 1.2	Water	- Kun c	raugh"	water to tra
SAND CONTENT (% BY VOL.)		_	Vis at	40-45	and trongs y
SOLIDS CONTENT (% BY VOL.)		-	Volume	up	3301 3 11 11
DIL CONTENT (% BY VOL.) WATER CONTENT (% BY VOL.)		_	147.6	7	
METHYLENE BLUE CARACITY D(ml/ml mud) 11				700	700
☐(equiv. #/Bbl. bent	.)	-			
temarks and Recommendations:				for it	
80-Satt Cal		-	1 4 4 4	1000	The state of the
2 /	1		1 1 2-18-1	(141 A)	A STATE OF THE PARTY OF THE PAR
3- Cine			and the same	No. of	
40-Salt			C. William	Lines 1	/ //
		71-5			11 11
		Mig Line	· · · · · · · · · · · · · · · · · · ·	135 (19	1/4 1. 104
and the same of the same of		Service 1	or CHAILERY	10,00	1000000
- 1	11 3	1-5-11-1	and the late of the	97 46	M
	F 2 LAT G	327 44	HEROTE THE	。据 电抗	a 501 % 12.60 %
1	A. C		2 23	13.8	The state of the state of
	701 4.65	ath white	4 10 10 10 10	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	00038
1/11/1/			Control of the second	0.7	

Office of Enforcement Compliance & Environmental Justice

, RED	115 8th Street West			_		-5		NO
Wil	liston, North Dakota 5	8801	10	DATE	8-12	9 81	DEPTH 85	9
, ,	Phone 701-572-7857		(1	API WELL	STATE COL	INTY	WELL ₅₇	- S/T
	<u> </u>			NO.				
OPERATOR T-X-	DI à Gas		CONTRACT	29	7 45	P	IIG NO.	
ADDRESS R.II.	0,1400	1 12	ADDRESS	0		s	PUD DATE	1
REPORT FOR MR.	75		REPORT FO	OR MR.	SECTION,	TOWNSH	8-1/-8	1
WolT	Byer		Byer	in House	22	-28%	1-51E	
WELL NAME AND NO.	es 8 × 1	FIELD OR	BLOCK NO.	COUNTY	oscielt	STA	Vat-	0.91
OPERATION /	CASING	MUDV	OLUME (BBL)		CIRCU	JLATION	DATA	-
PRESENT ACTIVITY	SURFACE IN. at FT.	HOLE	PITS		1ZE × IN		ULAR VEL. (FT/M OSITE DP	IN):
BIT SIZE (IN) NO	INTERMEDIATE IN. at FT.	TOTAL CIR	CULATING	PUMP MA MODEL	KE Enseo		_	358
DRILL PIPE SIZE TYPE	PRODUCTION OR LINE	IN STORAG	GE	BBL/STRO		1.1	ULATING	
DRILL COLLAR LENGTH	IN. at FT.	1		BBL/MIN	6 64	BOT	SSURE PSI TOMS UP (MIN)	
SIZE 6/4 509		1		8	0	TOTA	L (MIN)	21-
SAMPLE FROM FLOWLINE TEMPERATURE	FLOWLINE PIT	MUD PROPERTIE	DAILY (OST 900	CU CU	MULATI	VE GOST	4 1
TIME SAMPLE TAKEN	No.	0800	4 1 4	M	UD PROPERTIES SPEC	IFICATION	\$	Ver-
DEPTH (FT)	;	819	WEIGHT	ard of	VISCOSITY	1	FILTRATE.	-01
WEIGHT □(PPG) □(LB/CU. F	n .	10.2	BY AUTH		TOR'S WRITTEN		DRILLING CONTRAC	TOR
MUD GRADIENT (PSI/FT)	1	5304		LIGIENA	TOR'S REPRESENTATI	AE . C	OTHER	_
FUNNEL VISCOSITY (SEC./QT) API ATOF	701	10.0		. C	1 2.		
PLASTIC VISCOSITY CP AT	0 _F		Vic	- Main	70m 40-	45	Vision	7
YIELD POINT (LB/100 SQ. FT.)				w,Th	Sall bel	4 %:	nie it	Lier ded
GEL STRENGTH (LB/100 SQ.	FT.) 10 SEC/10 MIN.	- 1	7.00	1050 C	el 70 /s	x Lin	Service !	476.
PH STRIP METER	Same Program	76 7		1-1 19 5	- 12 Type - 18	130	134 183	2,10,12
FILTRATE API (MI/30 MIN)			WI	Herep	WT up	o inci	10.1 0	SiTL.
API HT-HP FILTRATE (ML/30 N	(IN.)OF			Salt	11.5		1	
CAKE THICKNESS 32nd IN. A	PI HT-HP		- 1	If w	6 h. T Th	e u	10/n 1/0	in The
P-ALKALINITY (PF.) & PM				une mi	11 inix 7		Bavile -	_
METHYL ORANGE ALKALINIT		-	11 11 15	neres	soin wt.		Kill:T	
LIG.P.G.	CHLORIDE DP.P.M.				hy track	1. 17.		5-174
CALCIUM DP.P.M. DGYP (P			Wat	es - Kun	Pindagh	in	Te 70	Hord
SAND CONTENT (% BY VOL.)		11 2 1 2	* 0 + 10	Uis o	T 40-40	10	ad tro	10:1017
SOLIDS CONTENT (% BY VOI				Volum	at up	0.	Man at ac-	
OIL CONTENT (% BY VOL.) WATER CONTENT (% BY VOL.)					2	11 51	1. 1. 1. 1. 1.	
METHYLENE BLUE CAPACITY	y □(ml/ml mud)	1		- 12	100		ALCOHOLOGY SHORE	
	(equiv. #/Bbl. bent.)			4 - 1	100	14 192.		
The winds of	A STATE VI	7 7,7	Car	5 1 1 1.1	1 AV23000	El les	diam'r	7
80 Solt Gel	ns;	100	11. 13.		137	0.28	ANTHER SALE	
3. 1	I ATTEMATE WE	trutes	7.500	PAGE THE	Harry Service	-	at Average	-351 4
40-Salt	The same of		1000	777	Part of the	5 2.0	1	
70-3011	10 1007	2 000	11/2 1/20	45	8	L	1	1-
			2020		- 1	1	/ /	2
Car of the same	10 - 12 - 12	Con		nvironmental		/:1	sunder 16)4
Take of the feet	te. 1		Just	-		PINE	-	7
and a chart said	or one of place and	100	1	A CHE CAMP	n Howard 18 Jac	1197.2	的研究等等	in waste by a
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SERVICE ENGINEER

TELEPHONE EXCHANGE MOBILE SERVICE WHSE. NO. AND LOCATION ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREPARED CAREFULLY AND MAY BE USED IF THE USER SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS, AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME.

RED RIVER MUD CO.

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857

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DATE_	8-22	198/	рертн 59.	20
API WELL	STATE	COUNTY	WELL	S/T
NO.				
		RI	G NO.	

REPORT

			NO.		1 1 1 1 1	_	
OPERATOR		CONTRACTOR			RIG NO.		
ADDRESS OIL J CAS	BIAP		AP	0		5	
B.HINS3		ADDRESS	P. 'C		SPUD DATE 8/		
REPORT FOR MR.		REPORT FOR	MR. SECT		SHIP, RANGE	0'	
WALT DYER			LANSON.	12-2	19N- 51	15	
BUCKLER #	FIELD OF	BLOCK NO.	COUNTY		TATE		
OPERATION CASING		VOLUME (BBL)	ROUSEVELT		MONT		
PRESENT ACTIVITY SURFACE	HOLE	PITS	PUMP SIZE X IN	CIRCULATIO			
LOGGING 85K IN. at 1149 FT		300	5/2 14		NULAR VEL. (FT.) PPOSITE DP	197	
BIT SIZE (IN) NO INTERMEDIATE 1 IN. at 1	TOTAL CIF	CULATING 78	PUMP MAKE ENGE MODEL 550		POSITE COLLAR	358	
DRILL PIPE SIZE TYPE PRODUCTION OR LINE	IN STORA		BBUSTROKE STROK	U PR	RCULATING ESSURE PSI	800	
DRILL COLLAR LENGTH MUD TYPE	. ,		BBUMIN	BO	TTOMS UP (MIN) STEM	47	
SIZE 614 509 GALT GEL-	STRACH		8:0		TAL (MIN)	85	
SAMPLE FROMFLOWLINEPIT FLOWLINE TEMPERATUREOF	PROPERTI	ES DAILY COS	6991		TIVE COST		
TIME SAMPLE TAKEN	0900		MUD PROPERTIES				
DEPTH (FT)	5920	WEIGHT	VISCOSITY		FILTRATE		
WEIGHT (PPG) (LB./CU. FT)	10.4	BY AUTHORI			DRILLING CONTRA	CTOR	
MUD GRADIENT (PSI/FT)	.5408		OPERATOR'S REPRESE	ENTATIVE	OTHER '		
FUNNEL VISCOSITY (SEC./QT.) API ATOF	42	Min	2 1 Chan	. 7	R	0	
PLASTIC VISCOSITY CP ATOF	12	1100	o is supe	10	Kun)	- Jak	
YIELD POINT (LB./100 SQ. FT.)	8	Ma.	want To	2 444	2 13 9	1.711	
GEL STRENGTH (LB/100 SQ. FT.) 10 SEC/10 MIN.	3-8	- 0	way 1	Vu	7 15 4	11111	
PH STRIP METER	7.0	11- 12	una e Fiber				
FILTRATE API (MI/30 MIN)	6.0	moi	a from				
API HT-HP FILTRATE (MU30 MIN.)	1					_	
CAKE THICKNESS 32nd IN. API HT-HP	2/32					5	
P-ALKALINITY (PF.) 4 & PM 4	1	6 107				7	
METHYL ORANGE ALKALINITY.							
SALT DP.P.M. O to CHI ODIDE DP.P.M.						-	
CALCIUM DP.P.M. DGYP (PPB)	300	j					
SAND CONTENT (% BY VOL.)	Huz						
SOLIDS CONTENT (% BY VOL.)	31/2						
					,		
OIL CONTENT (% BY VOL.) WATER CONTENT (% BY VOL.)	0						
METHYLENE BLUE CARACITY . D(ml/ml mud)	9642	_					
(equiv. #/Bb). bent.)							
Chromete	800						
Remarks and Recommendations:							
CTARCH - 55	STARC	H - 15	7 22,	114			
BALT GEL - 96) 215T	SAIT GEL		5 0				
11-11			(9/300				
SAIT - 45 (5691)	CEDAN F	BEN - 23		7			
			1.		/ 1	1	
CHROMATICE - 2 CEMBA FIREN - 72			-	1	1 6	in	
BANITE - 25/					Market		
- F3/		T		/			
1			7-				

SERVICE ENGINEER

TELEPHONE

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MOBILE SERVICE

WHSE. NO. AND LOCATION

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Compliance & Environmental
Justice

RED RIVER MUD CO.

NO. ____

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857

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API WELL NO. 19 81 DEPTH 5920

		Ap &		RIG NO.	
4 1.3		P S		. 6	
	ADDRESS SPUD DATE				
	ADDRESS A.	6 1		SPUD DATE	- 81
	REPORT FOR M			WNSHIP, RANGE	
I EIELD OD I			. 11		115
			107	75770	7
					-
HOLE	PITS	PUMP SIZE	× IN	ANNULAR VEL.	FT./MIN)
- 0	300	5/2	14	OPPOSITE DP	197
liver mie	678	PUMP MAKE MODEL	Eigen 550		AR -1778
	E	1 1 1		PRESSURE PSI	800
		BBL/MIN		BOTTOMS UP (M SYSTEM	IN)
1		8.0		TOTAL (MIN)	_ 8.5
		6991	CUM		7
0900	STEEL STEEL STEEL	MUD PR	OPERTIES SPECIFI	CATIONS ;	-0.0 / SAM
5920	WEIGHT	VIS	COSITY	FILTRATE	
10.4	BY AUTHORIT				TRACTOR
.5408		OUI ENVION S	HET HEGEN IATIVE	Collect	
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SAIT GAL	- 30	59	1300		111
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17 A 11 3	STILL I	1,	1 77	1	1)
Sec. 17 11		40 %	//	11 1	1111
5. 59 11 11		- 6° 1 . 14° - 1	1	1 Court	-
15 19 A 35 T	X11.54	100		2 6 4	
77.	12.6	- 6		4 4 453	2 1
	C MUD VO	FIELD OR BLOCK NO. INC. MUD VOLUME (BBL.) HOLE PITS 3.78 3.00 TOTAL CIRCULATING VOLUME 6.78 IN STORAGE T. MUD PROPERTIES O900 5920 WEIGHT 10.4 88 3-8 7.0 6.0 10.4 89 7.0 6.0 10.4 80 10.4	FIELD OR BLOCK NO. FIELD OR BLOCK NO. WID VOLUME (BBL) HOLE 3 78 3 00 TOTAL CIRCULATING VOLUME 6 78 IN STORAGE IN STORAGE BBUSTROKE 12 BBUSTROKE 12 BBUSTROKE 12 BBUSTROKE 12 BBUSTROKE 12 BBUSTROKE 12 BBUSTROKE 13 OF ORD WEIGHT WEIGHT WID PROPERTIES WEIGHT 10 YEIGHT 10 OPERATOR'S 11 YEIGHT 12 BY AUTHORITY: OPERATOR'S 13 OO 14 JAN 14 JAN 15 OPERATOR'S 14 OPERATOR'S 15 OPERATOR'S 16 OPERATOR'S 17 OPERATOR'S 18 OF OPERAT	FIELD OR BLOCK NO. LICE MUD VOLUME (BBL) HOLE PITS 3 78 300 TOTAL CIRCULATING VOLUME 78 HOLE TOTAL CIRCULATING VOLUME 78 HODEL TOTAL CIRCULATING VOLUME 78 HODEL TOTAL CIRCULATING VOLUME 78 HODEL TOTAL CIRCULATING WODEL TOTAL BULSTROKE STROKEJMIN 12 BUJ BBLJMIN	FIELD OR BLOCK NO. FIELD OR BLOCK NO. COUNTY STATE

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RED RIVER MUD CO.

115 8th Street West Williston, North Dakota 58801 Phone 701-572-7857

OPERATOR

ADDRESS

REPORT FOR MR.

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CONTRACTOR

REPORT FOR MR.

ADDRESS

			RI	EPORT
				NO
DATE _	8.2	1 19 81	DEPTH 5	822
API	STATE	COUNTY	WELL	S/T
WELL NO.				
Bas	1		RIG NO.	
Ris			SPUD DATE	81
	SECT		ISHIP, RANGE	
Hans	25	22 - 2	28N-516	2
POUNTY	osevel	t s	Mant	

VELL NAME ANDINO	7	FIELD OR BLO	OCK NO.	COUNTY 12	- 28N - 516 STATE
Buckles	B#1.	with	/ / /	Koosevelt	Ment
OPERATION	CASING	MUD VOLUME (BBL)			LATION DATA
PRESENTACTIVITY	SUBFACE:	HOLE 373	PITS 300	PUMP SIZE X IN	ANNULAR VEL. (FT./MIN) OPPOSITE DP 197
TSIZE (IN) NO 4	INTERMEDIATE IN. at FT.	TOTAL CIRCU VOLUME		PUMP MAKE IZ-500 MODEL 550	OPPOSITE COLLAR 358
PRILL PIPE SIZE TYPE	PRODUCTION OR LINE IN. at FT.	IN STORAGE		BBLISTROKE STROKEIMII	PRESSURE PSI BOTTOMS UP (MIN)
RILL COLLAR LENGTH	MUDTYPE Salto	d- Stan	4	BBUMIN 82	SYSTEM 83
SAMPLE FROM FLOWLINE TEMPERATURE	FLOWLINE PIT	MUD PROPERTIES	DAILY COS	T 1950 CU	MULATIVE COST 13, 408
TIME SAMPLE TAKEN	4	0800	111	MUD PROPERTIES SPEC	FICATIONS
DEPTH (FT) (St. SHOP. (ALL (I))	olare) and the	5822	WEIGHT	VISCOSITY	FILTRATE
WEIGHT D(PPG) D(LB/CU; FT	n:	10.51	BY AUTHORIT	TY: OPERATOR'S WRITTEN OPERATOR'S REPRESENTATION	DRILLING CONTRACTOR DOTHER
MUD GRADIENT (PSI/FT)		5512		DOPERATOR O REFIECCEMANT	T. LIGHTON
FUNNEL VISCOSITY (SEC./QT.	API ATOF	35	Stov	dr - 8-105x /To	ur or as needed
PLASTIC VISCOSITY CP AT	0 _F ,	9		15-18 ac w.L	
YIELD POINT (LB./100 SQ. FT.)		6			
GEL STRENGTH (LB./100 SQ. F	FT.) 10 SEC./10 MIN.	3-7	Salti	Jed- 10 SX /Town	or as needed
PH - STRIP - METER		7.0	7 * 7	36-40 UB	
FILTRATE API (MI/30 MIN)	(1) (a) (b) (c)	17			
API HT-HP FILTRATE (ML/30 M	(IN.)O _F		Salt	- 30 38/Tour	
CAKE THICKNESS 32nd IN. A	PI HT-HP	1/32		/	
P-ALKALINITY (PF.) & PM			Mico	- 55x /Tour	
METHYL ORANGE ALKALINIT					
SALT G.P.P.M. 304,596	CHLORIDE DP.P.M.	84,600	Fiber	- 20 SX/Tour	
CALCIUM DP.P.M. DGYP (P		Huy		/	
SAND CONTENT (% BY VOL.)	· · · · · · · · · · · · · · · · · · ·	TR	Chron	rate- /sx on	day lites
SOLIDS CONTENT (% BY VO	L.)	342	1		
OIL CONTENT (% BY VOL.)	- 1	0	Run	Good 1"STre	am solt tho
WATER CONTENT (% BY VOL		9642	5	alt 661.	
METHYLENE BLUE CAPACIT	Y (ml/ml mud) (equiv. #/Bbl. bent.)				
		850			

A NOTE OF 14 wten 1

TELEPHONE SERVICE ENGINEER TELEPHONE EXCHANGE MOBILE SERVICE WHSE. NO. AND LOCATION ANY OPINION AND/OR RECOMMENDATION, EXPRESSED ORALLY OR WRITTEN HEREIN, HAS BEEN PREP, RED CAREFULLY AND MAY BE USED IF THE USER SO ELECTS, HOWEVER, NO REPRESENTATION OR WARRANTY IS MADE BY OURSELVES OR OUR AGENTS AS TO ITS CORRECTNESS OR COMPLETENESS, AND NO LIABILITY IS ASSUMED FOR ANY DAMAGES RESULTING FROM THE USE OF SAME. WHSE. NO. AND LOCATION EXCHANGE MOBILE SERVICE

FEB 2 5 2000

Office of Enforcement Compliance & Environmental Justice



WELL Buckles " LEas ...

FIELD East poplar

COUNTY Roservel	T	STATE	MONTANA
-----------------	---	-------	---------

Justice

000538

:rmanent Datum	Eler	ν .	Elev. KB			
g Measured From		Above Perm. Datum	DF			
illing Measured From			CIL_			
mn.	01.1.1					
TE IN NO.	9/2/81	TYPE FIJID	IN HOLE	BFSW . 9.5		
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	1991/1/A		Office of	of Enforcement		
11	W/////AD/// 33/8	on steel Bull o	Luc Compliano	a 2 Equipmental		

ASTRO-CHEM SERVICE

well file



Post Office 80x 972 Williston, North Octors 58801 Phone (701) 572 7355

September 22, 1981

TXO Production Corp. 2705 Montana Ave. Suite 300 Billings, MT. 59101 ATTN: Leo Heath

Dear Sir:

TEXAS OIL & GAS CORP. BILLINGS DISTRICT

SEP 28 1981

The results of the analysis requested on your water sample received September 18, 1981, are as follows:

Sample	pH —	Specific Gravity @ 77° F	Resistivity @ 77° F	Chloride	Sodium Chloride *
Buckles B-1	6.31	1.040	0.01 ohm-meters	36,965	60,936

* Calculated from the Chloride Value

These results were telephoned to your office September 21, 1981.

Thank you.

Sincerely,

Deborah A. Stevens Astro-Chem Lab.

RECEIVED

FED 2.5 2000
Office of Enforcement
Compliance & Environmental
Justica

DAS:jb M-81-5033

ASTRO-CHEM SERVICE



Fast Chice Day 127
Williston, North Oakata 5886
Phone 1701: 572-7355

September 22, 1981

TXO Production Corp. 2705 Montana Ave. Suite 300 Billings, MT. 59101 ATTN: Leo Heath

Dear Sir:

The results of the analysis requested on your water sample received September 18, 1981, are as follows:

Sample	μΉ		Resistivity @ 77° F	Chloride (Sodium Chloride	*.
	·			36,965	60,936	
Buckles B-1	6.31	1.040	0.01 ohm-meters	30,309	23,72	

* Calculated from the Chloride Value

These results were telephoned to your office September 21, 1981.

Thank you.

Sincerely,

Deborah A. Stevens

Astro-Chem Leb.

DAS: jb M-81-5033

		200	2	1
WELL SERVICING REP	PURT	74	AREA BILLINGS, 1	<i>VII</i>
LEASE BUCKIES	WEL	NO. 8-/	TEXAS OIL & GAS CORI	T+
TYPE JOB			BILLINGS DISTRICT	
PUMP CHANGE	ROD	TBG	0 SWA B 1 4 1981	
OTHER			001 14 1901	
REASON FOR JOB NO OL				TEX NOMEN
DESCRIPTION	` `		1 0	CONDITIO
TRIED THREE (3) SQUEEZE JOB	S @ 5806-5808	3 No Squeeze	-
PERF @ 5800-5806- 500 GAL. SpEAKHEAD + A	2009AL SPEARHER	D NO RESULTS -	0	1. 19
500 GAL. SPEAKHEAD + A	10011040 + 300 WES	TB/OGTIL, + 9 BALL	S. RATE 1.6-3 BBY	WIN *
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TOTAL TBG. 187 JTS.	10/0:41	1) P-PI	1) (1) 0	d=
STATE ANY CHANGE MADE IN TEG	. STRING 10 1081109	1001 110100	100 3001 10.1	re
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ROD		- 63		
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TOTAL RODS	NC.			
STATE ANY CHANGE IN HOD STATE	NG			
PUMP				
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TYPE HOLD DOWN OR ANCHOR	Park (park)	EIVED		
CONDITION OF PUMP PULLED		0 = 0000		
STATE ANY CHANGE MADE IN PU	WD.	2 5 2000		
STATE ATT STATES TO SE	Omico o	f Enforcement & Environmental		
WELL SERVICE CONTRACT	TOR:	Justice	HRS. ON JOB	
ESTIMATED COST OF JOB			\$	
REMARKS				77.55
MINERAL TO THE RESIDENCE OF THE PERSON OF TH			000	239
177		REPORTED BY). DYER	

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (FORM 9-329)

(2/76) OMB 42-RO 356

MONTHLY REPORT OF OPERATIONS

Communitizatio	n Agreemi ast Poplar	No Field		
Unit Name N	/A			
Participating Ar County Roo	ea <u>N/A</u> sevelt		State _	Montana
OperatorTXO		Corp.		
☐ Amended Re		· wip.		

MATERIA THE BET WHI SEE

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THE DIE DIE DES DES DES DIE THE THE

The following is a correct report of operations and production (including status of all unplugged wells) for the month of ______, 19_81____

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
3-1	SENW 22	28N	51E	OSI		0			
							7		
				2					

"If none, so state.

*		Oil & Condensate (BBLS)	Gas (MCF)	(BBLS)
On hand, Start of M	Month .		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
Produced	1			XXXXXXXXXXXXXXXX
Spilled or Lost	RECFIVED		XXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
Flared or Vented		XXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXX
Used on Lease	FEB 2.5 2000 Office of Enforcement			XXXXXXXXXXXXXXXX
Injected Surface Pits	Compliance & Environmental Justice	xxxxxxxxxxxxx	xxxxxxxxxxxxx	
Other (Identify) On hand, End of Mo	onth		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
API Gravity/BTU C	ontent / /			XXXXXXXXXXXXXXX
Authorized Signatur	1.0.		705 Montana Ave. St Page 1 of	1 5910 000383

UNITED STATES DEPARTMENT OF THE INTERIOI GEOLOGICAL SURVEY (FORM 9-329)

(2/76)OMB 42-RO 356

MONTHLY REPORT OF **OPERATIONS**

Lease No	23-005439			
Communiti	East Poplar	No. Field		
Unit Name				
Participatin	g Area NA			
CountyR			State _	Montana
Operator	TXO Production	Corp.		

□ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month ____, 19 81 November

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221 53).

Well No.	Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
B-1	SENW 22	28N	51E	OSI		0			
				7 & 1		1			
				(4		
				7					
	-		-						

*If none, so state.

DISPOSITION OF PI	RODUCTION (Lease, Partic	ipating Area, or Con	imunitized Area basis	1
		Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of	Month		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
*Produced *Sold	\	-	-	xxxxxxxxxxxxxx
*Spilled or Lost	RECFIVED	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxx	*************
*Flared or Vented *Used on Lease	FEB 25 2000			xxxxxxxxxxxxxxx
*Injected *Surface Pits *Other (Identify)	Office of Enforcement Compliance & Environmental Justice	xxxxxxxxxxxxx	xxxxxxxxxxxxxx	
*On hand, End of M *API Gravity/BTU C	/ / /		xxxxxxxxxxxxxx	**************
Authorized Signatur	re: 4,0.1a	Address:	2705 Montana Ave.	Ste 300 Billings

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (FORM 9-329)

(2/76) OMB 42-RO 356

MONTHLY REPORT

OF OPERATIONS

Lease No	23-005439		
	ation Agreement East Poplar Field		
Unit Name _			
Participating County	Area NA cosevelt	State _	Montana
	O Production Corp.		

H. J. C. Jacobson

□ Amended Report

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
3-1	SENW	22 28	N 51E	OSI		0			
								1	,

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
On hand, Start of Month		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx
Produced			
Sold			XXXXXXXXXXXXXXXX
Spilled or Lost		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
Flared or Vented RECEIVED	XXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXX
Used on Lease FEB 2.5 2000			XXXXXXXXXXXXXXXX
Surface Pits Office of Enforcement Compliance & Environmenta	XXXXXXXXXXXXXXXX	xxxxxxxxxxxxxx	
Other (Identify) Justice			
On hand, End of Month	,	xxxxxxxxxxxxxx	XXXXXXXXXXXXXXXXX
API Gravity/BTU Content/			XXXXXXXXXXXXXXXX
Authorized Signature:	Address: 2	705 Montana Ave. S	te 300 Billings,
Title: Drilling Engineer		Page of	1 59

000381

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(FORM 9-329) (2/76) OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No Communitiza Field Name _	tion Agr	eemet. N	o		
Unit Name					
Participating	Area	NA			Mantana
County Roo	seveit		St	ate _	Montana
Operator	TXO	Producti	ion Corp		
☐ Amended	Report				

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfait the bond (30 CFR 221.53).

Well No.	Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
3-1	SEWN 22	28N	51E	OSI		0			
			-						154

"If none, so state.

*On hand, Start of Month		(BBLS)	(MCF)	(BBLS)
Oli fiand, Start of Month			xxxxxxxxxxxxxx	XXXXXXXXXXXXXXXX
*Produced RE	CEIVED			***********
*Snilled or Lost			xxxxxxxxxxxxx	XXXXXXXXXXXXXXX
*Flared or Vented	B 2 5 2000	XXXXXXXXXXXXXXX		XXXXXXXXXXXXXXX
*Head on Loans Office	of Enforcement ce & Environmental			XXXXXXXXXXXXXXX
*Injected *Surface Pits	Justice	xxxxxxxxxxxxx	xxxxxxxxxxxxxx	
*Other (Identify)				************
*On hand, End of Month			XXXXXXXXXXXXXXX	KARBARARARARARARARARARARARARARARARARARAR
*API Gravity/BTU Content	- K	1		XXXXXXXXXXXXXXX
Authorized Signature:	M. /ac	Address: 2	705 Montana Ave. S	Ste. 300 Billings.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(FORM 9-329) (2/76) MB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No	23-005439		
	East Poplar Fie	ld .	
Unit Name _			
County Ro	Area NA osevelt	State _	Montana
	TXO Production Co	rp.	
☐ Amended	Report		

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February ______, 19 __82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
-1	SENW 22	28N	51E	OSI		0			
									37
				,					

*If none, so state.

*On hand, Start of	Month	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
Produced Sold Spilled or Lost Flared or Vented Used on Lease	FEB 2 5 2000 Office of Enforcement	xxxxxxxxxxxxxx	xxxxxxxxxxxxx	**************************************
*Injected *Surface Pits *Other (Identify)	Compliance & Environmental Justice	xxxxxxxxxxxxx	**********	
*On hand, End of N *API Gravity/BTU			xxxxxxxxxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Authorized Signatu Title: <u>Drilling</u>		Address: _	2705 Montana Ave. Page of	Ste 300, 1 Billings, MT 000379

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (FORM 9-329)

(2/76) OMB 42-RO 356

MONTHLY REPORT OF OPERATIONS

Lease No	23-005439				-
Communitiz Field Name Unit Name	East Poplar NA	Field			
Participating CountyR	Area		State	Montana	
	(O Production	Corp.			

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
SENW	22 281	51E	OSI		0			
								The second
								-7
								77 - 18
	% of %	% of %	SENW 22 28N 51E	SENW 22 28N 51E OSI	SENW 22 28N 51E OSI	SENW 22 28N 51E OSI 0	SENW 22 28N 51E OSI 0	SENW 22 28N 51E OSI 0

*If none, so state.

		Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of	Month		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
*Produced *Sold *Spilled or Lost *Flared or Vented *Used on Lease *Injected	RECEIVED FEB 2 5 2000 Office of Enforcement Compliance & Environmental Justice	XXXXXXXXXXXXXXX	xxxxxxxxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
*Surface Pits	Justice	xxxxxxxxxxxxx	xxxxxxxxxxxxxx	
*Other (Identify) *On hand, End of M *API Gravity/BTU (Authorized Signatu Title:Drilling	Content Lan		2705 MontanaAve. S Page1 of	**************************************

UNITED STATES DEPARTMENT OF THE INTERIOF GEOLOGICAL SURVEY (FORM 9-329)

(2/76) MB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No	23-005439			
Communitization Field Name - Unit Name -	ation Agreem East Poplar	. No		
	Area NA		51	Mankana
Operator	TXO Production	n Corp.	State.	Montana

☐ Amended Report

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	"Barrels of Water	Remarks
							1		* Y tar
B-1	SENW 22	28N	51E	OSI		0			
									and the second
						-7-6	11.00,0	1 19-1	Salar male
									1600
				1					
									13
					100				
						,			

*If none, so state.

		Oil & Condensate (BBLS)	Gas (MCF)	(BBLS)
*On hand, Start of Month			xxxxxxxxxxxxxx	XXXXXXXXXXXXXXX
*Flared or Vented *Used on Lease	CEIVED EB 2 5 2000	xxxxxxxxxxxx	*******	**************************************
*Injected Office *Surface Pits Compile *Other (Identify)	ce of Enforcement ance & Environmental Justice	xxxxxxxxxxxxxx	xxxxxxxxxxxxx	
*On hand, End of Month			xxxxxxxxxxxxxx	XXXXXXXXXXXXXXXX
*API Gravity/BTU Content Authorized Signature:	T 0 1-	Address:	2705 Montana Ave. S	te 300 Billings.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (FORM 9-329)

(2/76)42-RO 356 OMB

MONTHLY REPORT OF **OPERATIONS**

Lease No	23-005 9	
	etion Agreement No East Poplar NA	
Participating	AreaNA	
County		State _Montana
Operator	TXO Production Corp.	

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C., 189, 30 U.S.C., 359, 25 U.S.C., 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report care result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and for-

Sec. & % of %	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
SENW 22	28N	5lE	OSI		0			
			1					
								1-
						SENW 22 28N 51E OSI 0	SENW 22 28N 51E OSI 0	SENW 22 28N 51E OSI 0

*If none, so state.

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
*Produced	\		
*Sold			XXXXXXXXXXXXXXX
*Spilled or Lost		xxxxxxxxxxxxxx	XXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXX		XXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX	
*Other (Identify)			
On hand, End of Month		XXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX
API Gravity/BTU Content			XXXXXXXXXXXXXXX
Authorized Signature:	Address: _	P.O. BOX 1165 W	Villiston, ND 5
Title: Production Dep	ot.	Page of	1 000000

Office of Enforcement

UNITED STATES LEASE INU. _ DEPARTMENT OF THE INTERIOR Communitization Agreement No. _ GEOLOGICAL SURVEY Field Name _ EAST PG (FORM 9-329) Unit Name _ (2/76) 42-RO 356 OMB Participating Area _ ROOSEVELT State __MONTANA MONTHLY REPORT TXO PRODUCTION CORP OF Amended Report **OPERATIONS** The following is a correct report of operations and production (including status of all unplugged wells) for the month JUNE (See Reverse of Form for Instructions) This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report car result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and for feit the bond (30 CFR 221.53). *Barrels *MCF of Barrels. TWP RNG Well Days Remarks Sec. & Well of Oil Gas of Water Status Prod. % of % No. 0 0 SENW 22 28N 51E OSI 0 0 *If none, so state. DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis) Oil & Condensate Gas Water (BBLS) (MCF) (BBLS) XXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXX 0 *On hand, Start of Month 0 *Produced 0 XXXXXXXXXXXXXXXX *Sold XXXXXXXXXXXXXXXX *Spilled or Lost XXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX *Flared or Vented XXXXXXXXXXXXXXXXX 0 *Used on Lease 0 *Injected XXXXXXXXXXXXXXXX *Surface Pits XXXXXXXXXXXXXXXX 0 *Other (Identify) XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXX *On hand, End of Month *API Gravity/BTU Content XXXXXXXXXXXXXXX WILLISTON, NI Address: _ P.O. BOX 1165. Authorized Signature: Title: PRODUCTION DEPARTMENT Page __

Office of Enforcement
Compliance & Environmental

000375

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (FORM 9-329) (2/76)

(2/76) OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No	23-00543	
Communitiz Field Name Unit Name	ation Agreement No EAST POPLAR NA	
Participating		
	ROOSEVELT	State MT
Operator	TXO PRODUCTION	CORP
☐ Amended	Report	

The following is a correct report of operations and production (including status of all unplugged wells) for the month of ______, 19 82 ____

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C, 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report carresult in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and for fait the bond (30 CFR 221.53).

Well No.	Sec. &	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
									(100)
-1	SENW22	28N	51E	osi	0	0	0	0	960
									- Sedi
				711					CASSES.
									4
									188
									100
	-								

*If none, so state.

		Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of	Month	0	xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx
*Produced	, and the same of	0		-
*Sold		0		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
*Spilled or Lost		0	xxxxxxxxxxxxxx	XXXXXXXXXXXXXXXX
*Flared or Vented	RECEIVED	XXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXX
*Used on Lease	FFD 0 = 0000	2		XXXXXXXXXXXXXXXXX
*Injected	FEB 2 5 2000	2		
*Surface Pits	Office of Enforcement Compliance & Environmental	XXXXXXXXXXXXXX	xxxxxxxxxxxxx	
*Other (Identify)	Justice Justice	0		
*On hand, End of M		C	xxxxxxxxxxxxxx	XXXXXXXXXXXXXXX
*API Gravity/BTU		0		XXXXXXXXXXXXXXXX
Authorized Signatu	/-	Address:	P.O. BOX 1165,	WILLISTON, ND
Authorized Signatu	TION DEPARTMENT		Page of	000374

This record is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 result in the assessment of liquidated damages (30 CFR 221.5						Fig. 6 (12 mg. E. 13 mg. Architecting A District Amended Red production (in erse of Form for U.S.C. 395 d'), regular	BUCKLES. BUC	of all unflugge	d wells) for the mont
felt the !	5et. & 5. of 5.	221,53). TWP	RNG	Well Status	Days Frod	* Sarrels	· WOF of	"Serrets of Water	Remains
B-1	SENW22	281	51E	OSI	O	O state.		Meceived ce of Enforcement - とහ ここ 2000 mpliance & Env. J	·
*On ha *Produ *Sold *Spilled *Flared *Used o *Injects *Surfac *Other *On ha	nd, Stant of ced i or Lost or Vented on Lesse	Mon Monif Monif	tin	N (Lease	Partici	Dating Area, or Oil & Condens (BBLS) 0 0 0 0 xxxxxxxxxxxxxxx 0 xxxxxxx	xxxxxx xxxxx xxxxx	Gas (MCF) xxxxxxxxxx 0 0 xxxxxxxxx 0 0 0 xxxxxx	Water (BBLS) *************** 0 ************** ******

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	bens (30 CFR					•				
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		/ 5.329) 761				Uni: Name				
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						County ROOS				iata MT
	MONTHE		ORT			•				
•	OPER.	DE ATIONI	c			Species = Species = Species =				
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ol	z: gniwoiid YAM	a corre	. 19 8 . 19 8	ri di operi 14	ns anous	e production (i	neiucing st	21US 01 8	iii unpiugga	d wells) for the month
01					See Reva	erse of Form for	Instruction	ns)		
Thu rac	and it required	he law 17	201180	122 201150	759 751	15 C 305 di 162112	unn (30 CER 2	21 50) an	d the terme of t	he lease. Failure to report car
result in	the assessme	ent of liqu	uidated s							in to cancel the lease and for-
feit the	bond (30 CFR	221.53)	l.							
Well No.	5ec. &	TWP	325	Well Status	Days Prod.	Sarrels c! Oil	·MOF Gas	- 1	"Barreis of Water	Remarks
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SURFACE EQUIPMENT

PLUGGING & ABANDONMENT

Form 9–331 Dec. 1973	Form Approved. Budget Bureau No. 42–R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	<u> 14-20-0256-5439 Ft. Peck</u>
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	Austin R. Buckles.
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas other	Buckles
	9. WELL NO.
2. NAME OF OPERATOR TXO Production Corp.	"B" #1 10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 1800 Lincoln Center Bldg., Denver, CO 80264	East Poplar Field 11. SEC., T., R., M., OR BLK. AND SURVEY OF
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	<u>Sec. 22, T28N-R51E</u>
AT SURFACE: 660' FNL & 1980' FEL (NW NE)	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH: Same	<u>Roosevelt</u> Montana
Same	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	25-085-21313
ner strip strip strip	15. ELEVATIONS (SHOW DF, KDB. AND WD
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	2106' GL 2118' KB
TEST WATER SHUT-OFF 🔲 🔲	
FRACTURE TREAT	
REPAIR WELL	(NOTE: Report results of multiple completion or zon
PULL OR ALTER CASING 🗍 🗎	change on Form 9_330Ahrofi
MULTIPLE COMPLETE	Office of Enforcement
CHANGE ZONES	2000
(other)	FEB 25 2000
	·.
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is di measured and true vertical depths for all markers and zones pertinen	e all pertinent details, and give कुलापेटवेरियोशिस्ट irectionally drilled, कुलाफेटवेरी race locations and t to this work.)°
Due to unconomic production, TXO Production Co	rn proposes to P&A the
above well. During plugging operations, the e	xisting perforations
will be squeezed and the following plugs will	
Set 35 sxs-cmt plug above perfs	
Set cmt plug 50' in & 50' out of prod. cs	q stub.
Set cmt plug 50' in & 50' out of surf csg	shoe.
Set cmt plug 25' above & 25' below Judith	River.
Set 15 sxs cmt plug @ surface.	
Verbal approval was given by Don Miller at the on May 21, 1984.	BLM's Miles City office
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the jog egoing is true and correct	•
no(1)///	Enginaer June 1, 1984
(This space for Federal or State office	ce use) ;
	· · · · · · · · · · · · · · · · · · ·

APPROVED BY ... CONDITIONS OF APPROVAL. IF ANY:

Form 9-331

Form Approved.

Dec. 1973	Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	14-20-0256-5439 Ft. Peck
GEOLOGICAL SURVEY	5. IF INDIAN, ALLOTTEE OR TRIBE NAME
	Austin R. Buckles
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Co not use this form for procosals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	
reservoir, Use rorm 9-331-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas other	Buckles
2. NAME OF OPERATOR	9. WELL NO. "B" #1
TXO Production Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	East Poplar Field
1800 Lincoln Center Bldg., Denver, CO 80264	11. SEC., T., R., M., OR BLK, AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17	AREA
below.)	Sec22, T28N-R51E
AT SURFACE: 660' FNL & 1980' FEL (NW NE)	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: Same	Roosevelt Montana
Same	14. API NO
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	25-085-21313 ⁻
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	2106' GL, 2118' KB
TEST WATER SHUT-OFF	
FRACTURE TREAT	•
SHOOT OR ACIDIZE	
REPAIR WELL	Change on Fold Edwinding completion or zone Onice of Edwinding Competition of zone
MULTIPLE COMPLETE	Olice at Ethorom
CHANGE ZONES	FEB 25 2000
ABANDON*	FEB Will Form
(other)	a may lustice
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stat including estimated date of starting any proposed work. If well is d measured and true vertical depths for all markers and zones pertiner	TRECHODANY OTHER SIVE SURSHITTACE INCAMENS AND
The well was plugged on 5-25-84. The well hi	
is attached. The following is a summary of t	
1: 25 sxs cmt through perfs (5802'-580	
. 2. 35 sxs cmt 5790'-5340'	
25 sxs cmt 4300'-4200' (50' below &	50' above 4½" csg stub)
4. 40 sxs cmt 2450'-2350'.	•
5. 35 sxs cmt 1200'-1100' (50' below &	50' above 8-5/8" csg shoe).
6. 50 sxs cmt 950'-800' (25' below & 2	5' above Judith River).
7. 15 sxs cmt @ surface.	
Casing was cutoff below surface.	•
· •	· ·
•	
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the longegoing is true and correct	
SIGNED TITLE Orlg & Prod.	<u>Engiaeer June 1, 1984 .</u>
(This space-for Federal or State off	ice use)
	•
APPROVED BY TITLE TOTAL TITLE TITLE TOTAL	DATE

Form No. 2

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD.

(SUBMIT IN QUADRUPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

ARM 36.22.307 ARM 36.22.1003 ARM 36.22,601 ARM 36,22,1004 ARM 36.22.602 ARM 36.22.1013 ARM 36.22.603 ARM 36,22,1301 ARM 36.22.604 ARM 36.22.1306 ARM 36.22.605 ARM 36.22.1309

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

\	1	11			
Notice of Intention to Drill		Subsequ	ent Report of V	Vater Shut-off	
Notice of Intention to Change Plans		Subsequ	ent Report of Sh	ooting, Acidizing, Comenti	ne
Notice of Intention to Test Water S.	nut-off	Subsequ	ent Report of A	illering Casing	
Notice of Intention to Redrill or Re	pair Well	Subsequ	ent Report of A	ledrilling or Repair	
Notice of Intention to Shoot, Acidize	, or Cement	Subsequ	ent Report of A	bandonment	
Notice of Intention to Pull or Alter	Casing	Supplen	nentary Well His	itory	
Notice of Intention to Abandon Wel	χ.	XXX Report	of fracturing	•	
				·	
(Indicate A	bove by Check Mari	· · II	man Mana	0.1	
(indicate A	dove by Check Mill				
			May 2	<u> </u>	19.84
Incline of intention to	do work !				
Following is a \notice of intention to report of work-done-	on lar	nd / owned	described a	is follows:	
			LEASE.	8uckles	5
MONTANA (State)	oosevert		•	<u> </u>	
(State) Well No		(County)		()	rield) .
Weil No	22		28N	5.1E	
	(m, sec.)		(Township)	(Range)	(Meridian)
The well is located 660 ft. f	rom W line a	nd1980	ft, from	XXX line of Sec.	22
	*********			1 10 1	
LOCATE WELL SITE ACCURATELY				•	•
The elevation of the ground or K.B. abo	ve the sea level is	s 2106'	**** *** ****** **********	······································	
				Received Office of Enforcen	nem
READ CAREFULLY	DETAILS (OF PLAN OF	WORK	RS	AD CAREFULLY
(State names of and expected depths to important proposed work, particularly all d	phjective sands: show	e size, weights,	and lengths of p		
Important proposed work, particularly all d	etails of Shooting, A	leidizmz, Fracti	iring.)	1 60,60,1 200	;
	DETA	ILS OF WO	RК		•
•		RESULT	•	Compliance & Env.	Justice
Due to uneconomic	production,	TXO Produ	ction Corp	. proposes to P8	A
the above well. During t	he plugging o	perations	, the exis	ting perforation	ıs
will be squeezed and the	following plu	uas will b	e set:	3 (
	J ,	.			
· Set 35 sxs cmt pl	ug above pert	fs.			. •
Set cmt plug 50'			sa stuh		
Set cmt plug 50'	in & 50' out	of surf c	sa shoe		٠,
Set cmt plug 25'	ahova 2 25' H	oloviludi	th Divor		
Set 15 sxs cmt pl	400%	below oddi	CH KINEL.		
36 t 13 3 % Cilit pi	ug e sur i .	_			
Manhal an manal					
Verbal approval w	as given by c	laire Hau	gney at the	e montana Board	
of Oil & Gas Conservation	_		/ \		
Approved subject to conditions on rev	erse of form	Con	pany TXO	Production Corp	
Data		_	111.11	(Augustu)	
Date	•••••	Ву	M. Davia 1	Clouatre	
Ву		т	Drillin	g & Production E	naineer
District Office Agent	Title	11(1)	1800 Lin	coln Center Bldo	The second secon
-		Add	ress Denver	coln Center Bldg , Colorado 8026	4
BOARD USE ONLY API WELL NUMBER	NOTE: Pare	an this town	ha makanian a	the appropriate District (
	AUTE REPORTS	An Inia Idem (9	or snowitted to	the appropriate District fo	ar approval

OVER

DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD. (SUBMIT IN QUADRUPLICATE) \$56780

ARM 36.22.307 .. ARM 36.22.1003 ARM 36.22.601

ARM 36.22.1004

ARM 36.22.602 A3841 36.22.603

ARM 36.22,1013 ARM 36.22.1301-

BOARD OF OIL AND GAS CONSERVATION: 1984 OF THE STATE OF MONTANA

ÀRM,36.22.604 ARM 36.22.605 ARM 36.22.1306 ARM 36.22.1309

BILLINGS OR SHELBY ON & GAS CONS. COMM.

lust ".

SUNDRY NOTICES	AND REPORT OF WELLSHONT	
Notice of Intention to Drill	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	XXXX
Notice of Intention to Pull or Alter Casing	Supplementary Well History	
Notice of Intention to Abandon Well	Report of Fracturing	
	-	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

· (underto mont sy come mana mana)	May 29	19_84
Following is a notice of intention to do work on land report of work done	wned described as follows: LEASE BUCKIES	
MONTANA ROOSEVEIT . (Co.	East Poplar (Field	
Well No. "B" #1 CNWNE 22	28N 51E (Township) East (Range)	(Meridian)
The well is located 660 ft. from XX line and 1		22
The elevation of the ground or K.B. above the sea level is		
READ CAREFULLY (State names of and expected depths to objective sands; show size, we important proposed work, particularly all details of Shooting, Acidizing,	rights and lengths of propagate carriers comenting no	CAREFULLY
The well was plugged on 5-25-84. The operations is attached. The following is a 1. 25 sxs cmt through perfs (5802'-2. 35 sxs cmt 5790'-5340'. 3. 25 sxs cmt 4300'-4200' (50' below 4. 40 sxs cmt 2450'-2350'. 5. 35 sxs cmt 1200'-1100' (50' below 6. 50 sxs cmt 950'-800' (25' below 7. 15 sxs cmt @ surface. Casing was cutoff below surface.	he well history of the plugging summary of the cement plugs: -5808'). ow & 50' above 4½" csg stub). ow & 50' above 8-5/8" csg shoe).	
Approved subject to conditions on reverse of form Date	Company 70 Production Corp. By Mail County	:
District Office Agent	M. David Clouatre Title Drilling & Production Engi 1800 Lincoln Center Buildi Address Denver, CO 80264	neer ng



NOTE:-Reports on this form to be submitted to the appropriate District for approval DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

P & A - MONTANA

BUCKLES "B" #1 Roosevelt Co./22-28N-51E

- 05/23/84 5840' PBTD, dig out valves. RU Halliburton. Pump 40 bbls of produced wtr dn tbg. Had 1800# @ 4 BPM. Pump 5 bbls fresh wtr. Pump 25 sxs Cl "G" cmt w/ .2% HR-8 retarder. FLush w/ 23 bbls produced wtr. Start to stage cmt for squeeze. Dspl w/ 23.5 bbls total @ end of squeeze. SWI w/ 1000# on tbg. Wait 4 hrs. TP was 1250#. Bled tbg press to 500#. SIFN. DW: 2050. CW: 2050.
- 05/24/84 5840' PBTD, SITP 760#, SICP 790#. Open annulus & bled off press. Tbg press bled off @ same time. Had no indication of fluid entry. MI & RU N. L. Well Service Rig #169. ND wellhead. NU BOP. TOOH w/ 186 jts 2-3/8", 4.7#, J-55, EUE tbg, model "R" single grip pkr, 1 jt 2-3/8" tbg. TIH w/ tbg. Spot 35 sxs Cl "G" cmt from 5790-5340'. TOOH & LD 25 jts tbg. SWI. SDFN. DW: 4035. CW: 6085.
- 05/26/84 5840' PBTD; pull csg out of slips. NU BOP. RU Wisco csg crew. LD 4000' of 4-1/2" csg. RD csg crew. TIH w/ 2-3/8" tbg to 2450'. RU Halliburton. Pump 40 sxs Cl "G" cmt from 2450-2350'. TOOH & LD tbg to 1200'. Pump 35 sxs cmt from 1200-1100'. TOOH & LD tbg to 950'. Pump 50 sxs cmt from 950-800'. TOOH & LD tbg. Pump 15 sxs cmt @ surf. RD Halliburton. ND BOP. RD N.L. & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 14,055. CW: 28,337.

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ROOSEVELT COUNTY! Buckles 'B' #/

SALUAGE VALUE

CAZZNICHEND CULFCO" 11"-3H"+ 85/"

PRODUCTION CASING (815') 4;" 116#, K55 57+C

(1/851) 75", 105#, K55 57+C

#3792

\$6,576

Tubing (5766') 236", 4.74 J-55 EUE #9.975

FID 27 27)

ROOSEVELT COUNTY Buckles WORK OVER RIG SupERVISION # /20 WELDER CIBP" \$ 650 TRUCKING # 2000 CEHENTING # S,000 PIPE HANDLING TOUS #2,000 FISHERMAN #300 PIPE INSPECTION 2 3/8" /LBING (\$12.00.1) 186/s \$2,232 43" (ASING (#25.00) +) 50/s 1250 RECONTOURING, RESEEDING, & OTHER DIRT WORK \$ 2500

PLUCING PROCEDURE N.D. TREE MIRU WIRE LINE UNIT 3.) SET PUMP THROUGH PLUC 4) SET UP BOP 5.) MIRU DUORKOVER RIE G) PLES UP AND RECEASE MODE R'. PACKER TOE 7) RIH C/CIBB JESET @ 5795, Dung BAIL 5 SAS CEMENT ON CIBP 5) LOCATE POINT LON 45 "CASING 6) Cut 45" CASING @ Free POINT AND TOO W 45" CASING 7) TIH w/2 38" Tuezno to 45" CASING ST 8.) Spot 35 SXS CEMENT PLUG IN AND OUT 9.) Spot 35 SXS CEHENT PLUG IN AND BUT OF STATE CASING @ 1,149! -10) Spot 10sxs CEHENT PLUL @ SURFACE (1) Cur Casina 4 feer BELOW SurFACE 12.) WELD CAP, BURY, AND DO. NOT LEAVE DRY HOLE MARKER. 13.) RELEASE RZG 14) TRANSFER THEMLARS AND SURFACE Equa TO RAYHOUD YARD

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